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AMERICAN GEOGRAPHICAL SOCIETY.

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CHARTER OF INCORPORATION.

GRANTED APRIL 13TH, 1854.

The People of the State of New York, represented in Senate and Assembly, do enact as follows :

SECTION 1. George Bancroft, Henry Grinnell, Francis L. Hawks, John C. Zimmerman, Archibald Russell, Joshua Leavitt, William C. H. Waddell, Ridley Watts, S. DeWitt Bloodgood, M. Dudley Bean, Hiram Barney, Alexander J. Cotheal, Luther B. Wyman, John Jay, J. Calvin Smith, Henry V. Poor, Cambridge Livingston, Edmund Blunt, Alexander W. Bradford, and their associates, who are now or may become hereafter associated for the purposes of this act, are hereby constituted a body corporate by the name of The American Geographical and Statistical Society, for the purpose of collecting and diffusing geographical and statistical information.

§ 2. For the purposes aforesaid, the said Society shall possess the general powers and privileges, and be subject to the general liabilities, contained in the third title of the eighteenth chapter of the first part of the Revised Statutes, so far as the same may be applicable, and may not have been modified or repealed ; but the real and personal estate which the said Society shall be authorized to take, hold and convey, over and above its library, and maps, charts, instruments and collections, shall not at any time exceed an amount the clear yearly income of which shall be ten thousand dollars.

§ 3. The officers of said Society shall be a president, three vice-presidents, a corresponding secretary, a recording secretary, a

librarian, and treasurer, and such other officers as may from time to time be provided for by the by-laws of the said Society.

§ 4. The said Society, for fixing the terms of admission of its members for the government of the same, for changing and altering the officers above named, and for the general regulation and management of its transactions and affairs, shall have power to form a code of by-laws, not inconsistent with the laws of this State, or of the United States; which code, when formed and adopted at a regular meeting, shall, until modified or rescinded, be equally binding as this act upon the said Society, its officers, and its members.

§ 5. The Legislature may, at any time, alter or repeal this act.

§ 6. This act to take effect immediately.

STATE OF NEW YORK, }
Secretary's Office, } ss.:

I have compared the preceding with the original law on file in this office, and hereby certify the same to be a correct transcript therefrom, and of the whole of said original law.

Given under my hand and seal of office, at the city of Albany, this thirteenth
[L. S.] day of April, one thousand eight hundred and fifty-four.

A. G. JOHNSON,
Deputy Secretary of State.

AMENDED CHARTER.

PASSED APRIL 8TH, 1871.

STATE OF NEW YORK, No. 237, IN SENATE, *March 7, 1871.*—
Introduced, with unanimous consent, by Mr. Bradley; read twice,
and referred to the Committee on Literature; reported favorably
from said committee, and committed to the Committee of the
Whole.

CHAP. 373.

AN ACT in relation to The American Geographical and Statistical
Society.

PASSED April 8th, 1871.

*The People of the State of New York, represented in Senate and
Assembly, do enact as follows:*

SECTION 1. The name or corporate title of the said Society shall
hereafter be, The American Geographical Society of New York.

§ 2. The objects of the said Society shall be the advancement of
geographical science; the collection, classification, and scientific
arrangement of statistics, and their results; the encouragement of
explorations for the more thorough knowledge of all parts of the
North American continent, and of other parts of the world
which may be imperfectly known; the collection and diffu-
sion of geographical, statistical and scientific knowledge, by lec-
tures, printed publications, or other means; the keeping up of a
correspondence with scientific and learned societies in every part
of the world, for the collection and diffusion of information, and
the interchange of books, charts, maps, public reports, documents
and valuable publications; the permanent establishment in the city
of New York of an institution in which shall be collected, classified

and arranged, geographical and scientific works, voyages and travels, maps, charts, globes, instruments, documents, manuscripts, prints, engravings, or whatever else may be useful or necessary for supplying full, accurate and reliable information in respect to every part of the globe, or explanatory of its geography, physical and descriptive; and its geological history, giving its climatology, its productions, animal, vegetable and mineral; its exploration, navigation and commerce; having especial reference to that kind of information which should be collected, preserved and be at all times accessible for public uses in a great maritime and commercial city.

§ 3. The power given by the act hereby accorded to the said Society, to take, hold, convey, manage, and make use of its real and personal estate, shall be understood as authorizing said Society to take and hold by gift, grant, bequest, devise, subject to all provisions of law relative to devises and bequests by last will and testament, or purchase real estate to the value of three hundred thousand dollars, and to invest its income or its personal estate generally, so as to produce a regular annual income sufficient for the accomplishment of the purposes set forth in the first section of this act; but said annual income shall not exceed twenty-five thousand dollars annually.

§ 4. The said Society shall make an annual report of its proceedings to the Legislature.

STATE OF NEW YORK, }
Office of Secretary of State, } ss.:

I have compared the preceding with the original law on file in this office, and do hereby certify that the same is a correct transcript therefrom, and of the whole of said original law.

Given under my hand and seal of office, at the City of Albany, this twenty-[L. S.] second day of May, in the year one thousand eight hundred and seventy-one.

DIEDRICH WILLERS, JR.,
Deputy Secretary of State.

BY - LAWS.

CHAPTER I.

TITLE.

The title of the Society is, "The American Geographical Society."

CHAPTER II.

OBJECTS.

The objects of the Society are, "The collecting and diffusing of geographical and statistical information."

CHAPTER III.

MEMBERS.

1. The Society shall consist of fellows, honorary, corresponding and *ex-officio* members.

2. Honorary members shall be chosen on account of their distinction in the science of geography or statistics, and not more than twelve of them shall hereafter be elected in any one year.

3. Corresponding members shall be chosen from those who have aided the advancement of geography or statistics.

4. *Ex-officio* members shall be foreign diplomatic representatives and consuls resident in the United States; and United States diplomatic representatives and consuls in foreign countries.

5. Fellows and corresponding and honorary members shall be elected as follows: All nominations of candidates shall be openly made in writing at a meeting of the Society, or the Council, by a member thereof, and, together with the name of the member making them, entered on the minutes. The persons thus nominated, when approved by the Council and elected by the Society, shall, on payment of the initiation fee, if nominated as fellows, and without such

payment if nominated as corresponding or honorary members, become members of the Society accordingly.

6. Persons entitled to become *ex-officio* members of the Society shall, on the recommendation of the Council, be by the Society constituted and declared to be such members.

7. The name of any member of the Society may, on the recommendation of the Council, and by a vote of two-thirds of the members present at a stated meeting of the Society, be dropped from the roll of its members.

CHAPTER IV.

INITIATION FEE AND ANNUAL DUES.

1. The initiation fee, including the dues for the current year, shall be, for a Fellow, ten dollars, to be paid immediately on election.

2. The annual dues thereafter shall be, for a Fellow, ten dollars, to be paid in advance.

3. Any Fellow of the Society, not in arrears, may commute for life all dues for fellowship by the payment at one time, if a fellow, of one hundred dollars.

4. The name of any Fellow of the Society neglecting for two successive years to pay his annual dues, or at any time wholly refusing to pay them, may by the Council be erased from the list of Fellows of the Society.

5. The fiscal year of the Society shall, for all purposes, be the calendar year; that is, commence on the first day of January and end with the 31st day of December in each year.

CHAPTER V.

OFFICERS.

1. The officers of the Society shall be a president, three vice-presidents, a foreign corresponding secretary, a domestic corresponding secretary, a recording secretary, a treasurer, and fifteen councillors; and these, together, shall form the Council of the Society.

2. The officers and members of Council elected at the next annual election (except the president and treasurer) shall, at their

first meeting, divide themselves into three classes, each to embrace one vice-president, one secretary, and five members of the Council; one of which classes shall hold office one year, one for two years, and another for three years, to be determined at said meeting by lot or otherwise. The president and treasurer shall always be elected annually; and at each annual election thereafter there shall be elected a vice-president, secretary, and five members of Council, each for the term of three years.

3. All officers of the Society to be chosen at any election may be voted for on one ballot.

CHAPTER VI.

ANNUAL MEETING.

1. The annual meeting of the Society shall be held on the second Tuesday after the first day of January in each and every year hereafter, when the annual election of the officers of the Society shall take place; and if, from any cause, there shall be a failure of the annual election at the time above designated for that purpose, the same may be held on the Tuesday next following—that is, on the third Tuesday after the first day of January in each year—and of which due notice shall be given.

2. Every member of the Society, who has been such for twenty days or more, and who is not in arrears for his dues for the past year, shall be entitled to vote at the said election.

3. At the annual meeting of the Society the Council shall present a general report of its proceedings and of those of the Society during the past year, and the secretaries and treasurer shall also present their annual reports.

CHAPTER VII.

MONTHLY AND SPECIAL MEETINGS.

1. The Society, unless otherwise specially ordered by the Society or the Council, shall hold its stated meetings for the transaction of business on the second Tuesday of each month of the year, except July, August and September.

2. The president, or, in his absence, one of the vice-presidents, may, and upon the written request of five members shall call a

special meeting of the Society by giving three days' notice thereof in two daily newspapers published in the City of New York.

CHAPTER VIII.

ORDER OF BUSINESS.

1. At all stated meetings of the Society for the transaction of ordinary business the order of proceedings shall be as follows :

1. Reading of the Minutes.
2. Reports and Communications from officers of the Society.
3. Reports from the Council.
4. Reports from Committees.
5. Nominations of Members.
6. Special Orders.
7. Unfinished Business.
8. Miscellaneous Business.
9. Papers read and Addresses delivered before the Society.

2. All propositions presented for the action of the Society at any of its meetings shall be in writing, when requested by the presiding officer or any member. A proposition thus presented, when seconded and the question thereon stated from the chair, shall be deemed to be in the possession of the Society and open for discussion, but may be withdrawn by the mover at any time before amendment or decision.

3. No member shall speak more than once upon the same question until all the other members present desiring to speak shall have spoken, nor more than twice on any question without leave of the Society.

CHAPTER IX.

QUORUM.

At all meetings of the Society nine members present shall constitute a quorum for the transaction of business.

CHAPTER X.

COMMITTEES.

All committees authorized by the Society shall, unless otherwise specially ordered, consist of three members each, and be appointed by the presiding officer.

CHAPTER XI.

PRESIDING OFFICER.

At all meetings of the Society, on the arrival of the appointed hour and the presence of a quorum, the president, or in his absence one of the vice-presidents, or in the absence of both a chairman *pro tem.*, shall immediately take the chair, call the meeting to order and preside. He shall have only a casting vote. He shall preserve order and decide all questions of order, subject to an appeal to the Society. He shall also, unless otherwise specially ordered, appoint all committees authorized by the Society; and at every annual election, before the opening of the polls, he shall appoint two tellers of the election.

CHAPTER XII.

SECRETARIES.

1. Foreign Corresponding Secretary.—It shall be the duty of the foreign corresponding secretary to conduct the general correspondence of the Society with individuals and associate bodies in foreign countries.

2. Domestic Corresponding Secretary.—It shall be the duty of the domestic corresponding secretary to conduct the Society's general correspondence with individuals and associate bodies in the United States.

3. Both the foreign and domestic secretaries shall keep, in suitable books to be provided for that purpose, at the Society's rooms, true copies of all letters written by them respectively on behalf of the Society; and shall preserve, on proper files, at the said rooms, all letters received by them on the same account; and at each stated meeting of the Society or the Council, they shall respectively report their correspondence, and read the same, or such parts thereof as may be required.

4. In case of a vacancy in the office of either of the corresponding secretaries, or in the absence or disability of either of these officers, the duties of both may be performed by the other corresponding secretary.

5. The Society may designate a particular officer, or appoint a committee to prepare a letter or letters on any special occasion.

6. Recording Secretary.—It shall be the duty of the recording secretary to give due notice of the time and place of all meetings of

the Society, and to attend the same. He shall keep fair and accurate minutes of the proceedings of the Society, and record the same, when approved, in the Society's Journal. He shall give immediate notice to the several officers and committees of the Society, of all votes, orders, resolves and proceedings of the Society affecting them or appertaining to their respective duties. He shall prepare a list of the members of the Society entitled to vote, to be handed to the tellers before the opening of the polls at each annual election. He shall officially sign and affix the corporate seal of the Society to all diplomas and other instruments or documents authorized by the Society or Council. He shall have charge of the corporate seal, charter, by-laws, records and general archives of the Society, except so far as they may be expressly placed under the charge of others. He shall certify all acts and proceedings of the Society, and shall notify the Council of the death, resignation or removal of any officer or member of the Society. He shall have charge of the rooms of the Society, and shall perform all such other and further duties as may from time to time be devolved upon him by the Society or the Council. He, together with the Council, shall have the charge and arrangement of the books, maps and collections belonging to the Society. He shall cause to be kept in the rooms of the Society, a registry of all donations to the library or collections of the Society, acknowledge their receipt by letter to the donors, and report the same in writing to the Society at its next stated meeting.

7. All documents relating to the Society and under the charge of the secretaries respectively, shall be placed in such depositories in the rooms of the Society as the Council may provide and designate for that purpose.

CHAPTER XIII.

TREASURER.

The Treasurer shall have charge of and safely keep all contracts, certificates of stock, securities and muniments of title belonging to the Society. He shall collect the dues and keep the funds of the Society, and disburse the same under the direction of the Council; and so often as the said funds in the hands of the treasurer shall amount to one hundred dollars, he shall deposit the same, in the name of the Society, in some incorporated bank in the city of New York, to be designated for that purpose by the Council; and the

said funds, thus deposited, shall be drawn out of the said bank on the check of the treasurer, countersigned by the chairman of the Council, and only for the legitimate and authorized purposes of the Society. The treasurer shall, previous to the annual meeting of the Society, prepare and submit to the Council, for audit, a detailed account of his receipts and disbursements for account of the Society during the past year ; and which annual account, duly audited, he shall present, with his general report, to the Society at its annual meeting.

CHAPTER XIV.

COUNCIL.

1. The Council shall have the management and control of the affairs, property and funds of the Society, and shall designate an incorporated bank in the city of New York where the said funds shall, from time to time as they accrue, be deposited by the treasurer.

2. It may frame its own by-laws, not inconsistent with the charter or by-laws of the Society.

3. It shall appoint the necessary agents, clerks and servants of the Society, with such powers and duties, privileges and compensation as it may from time to time determine ; and may at pleasure revoke such appointments, and make others in their stead.

4. It shall have power to fill, for the unexpired term, any vacancy that may occur in any of the offices of the Society.

5. It shall have power, at its discretion, to declare vacant the seat of any member of its own body (except the president and vice-presidents) who shall have been absent from its meetings for three successive months ; and also by a vote of a majority of the whole Council to remove from its own body any member thereof for cause ; but in such case it shall be the duty of the Council to report every such vacancy or removal to the Society, at its next stated meeting thereafter, when such cases shall be subject to review by the Society.

6. It shall not, without an approving vote of the Society, at a stated meeting thereof, make any contract whereby a liability in amount above one thousand dollars may be incurred by the Society ; nor without such vote make any sale or disposition of the property of the Society exceeding that sum in value.

7. The Council may, in its discretion, remit the initiation fee or annual dues of any member of the Society.

8. No member of the Council shall receive any salary or pecuniary compensation for his services.

9. The Council shall hold stated meetings for the transaction of business at least once in every month, except the months of July, August and September.

10. At all meetings of the Council, five members present shall constitute a quorum for the transaction of business.

CHAPTER XV.

GENERAL PROVISION AS TO DEBT.

No debt on account of the Society, beyond the funds in the treasury for its payment, shall for any purpose, at any time, be incurred; and if at any time it shall appear that there are resting upon the Society pecuniary obligations beyond the funds in the treasury for their liquidation, no appropriation of funds from the treasury whatever, except for the necessary current expenses of the Society, shall be made, until the said pecuniary obligations shall be fully discharged, or the funds necessary for their extinction shall have been set apart for that purpose.

CHAPTER XVI.

ALTERATION OF THE BY-LAWS.

No alteration in the by-laws of the Society shall be made unless openly proposed at a stated meeting of the Society, entered on the minutes, with the name of the member proposing the same, and adopted by the Society at a subsequent stated meeting, by a vote of two-thirds of the members present.

CHAPTER XVII.

ADOPTION OF THE BY-LAWS.

The foregoing are hereby adopted and declared to be the by-laws of the Society; and all by-laws of the Society heretofore adopted are hereby rescinded and declared to be null and void.

HONORARY AND CORRESPONDING MEMBERS AND FELLOWS.

HONORARY MEMBERS.

H. I. M. DOM PEDRO, Emperor of Brazil.
CONSTANTINE, H. I. H., the Grand Duke, President of the Imperial Russian Geographical Society, St. Petersburg.

DUFFERIN, Right Honorable Frederick Temple Hamilton, Blackwood, Earl of, K.P., G.C.M.G., K.C.B., F.R.S., London, England.

ELDER, Sir Thomas, Adelaide, South Australia.

ISMAIL PACHA, H. H., then Khedive of Egypt, Cairo.

LAYARD, Austin Henry, D.C.L., London, England.

BAKER, Sir Samuel White, Pasha, F.R.S., F.R.G.S., London, England.

MARKHAM, Clements R., K.C.B., Secretary Royal Geographical Society, London, England.

MCCLINTOCK, Francis Leopold, LL.D., London, England.

MIDDENDORFF, Adolph Theodore von, Secretary of the Imperial Academy of Sciences of Russia, St. Petersburg.

NARES, Sir George S., R.N., K.C.B., London, England.

NORDENSKJÖLD, Prof. A. E., Sweden.

RAWLINSON, Major-General Sir Henry C., K.C.B., Vice-President Royal Geographical Society, London.

STRUVE, Professor Otto Wilhelm von, St. Petersburg.

WILCZEK, Count H., Vienna.

CORRESPONDING MEMBERS.

ASBJORSEN, P. C., Christiania, Sweden.
ABBE, Prof. Cleveland, Cincinnati, O.

ALVORD, General Benjamin, U.S. Army, Washington, D. C.

ARSENIEW, Georges, St. Petersburg.

ALTAMIRANO, Senor Don Ignacio, Mexico.

AMMEN, Rear-Admiral Daniel, U.S. Navy, Washington, D. C.

BAKER, Commodore F. H., U.S. Navy, Norfolk, Va.

BARANDA, Senor Joaquim, Mexico.

BASARAFF, Ed. Ivan de, Stuttgart, Württemberg.

BARCLAY, James T., M.D., Jerusalem, Syria.

BARNARD, Henry, LL.D., Hartford, Conn.

- BARTLETT, John Russell, Providence, R. I.
 BORGES, Carvalho.
 —, Brazilian Minister, Washington, D. C.
 BLACKIE, Walter G., Ph.D., F.R.G.S., Glasgow.
 BOTASSI, Demitri, Consul-General of Greece, New York.
 BASTIAN, Dr. Adolph, Berlin.
 BECKER, M. A., Vienna.
 BEHM, Dr. E., Gotha.
 BRAINE, Commander D. L., U. S. N.; Washington, D. C.
 BRIGHT, John, M.P., London.
 BUSHNELL, Rev. Albert, Gaboon, Equatorial Africa.
 CHAIX, Prof. Paul, Geneva.
 CHANDLES, W., F.R.G.S., London.
 COLLINS, Lieut. Frederick, U. S. Navy, Annapolis, Md.
 CHAMBERS, William, Edinburgh, Scotland.
 DEHAAS, Rev. F. S.
 DRAPER, Lyman, Madison, Wis.
 FOETTERLE, Franz, Vienna.
 FRITSCH, Hugo O., New York.
 GARDNER, Prof. James T., Director, State Survey, Albany, N. Y.
 GILMAN, Prof. Daniel Coit, LL.D., Baltimore, Md.
 GUYOT, Prof. Arnold Henry, LL.D., Princeton, N. J.
 HAGUE, J. D., New York.
 HANCOCK, Prof. Wm. Neilson, LL.D., Dublin.
 HAYDEN, Prof. F. V., Washington, D. C.
 HELLWALD, Friedrich von, Vienna.
 HITCHCOCK, Prof. C. H., Ph.D., Hanover, N. H.
 HOCHSTETTER, Dr. Ferdinand von, Vienna.
 HOSMER, Dr. George, New York.
 HOUGH, Franklin B., M.D., Washington, D. C.
 HUMPHREYS, General A. A., U. S. Army, Washington, D. C.
 HUNT, Prof. T. Sterry, LL.D., Boston.
 JOHNSTON, W. E., M.D., Paris.
 JACKSON, John P., Berlin.
 LACROZE, Julis, C.E., Buenos Ayres.
 LAMANSKY, Eugene von, St. Petersburg.
 LESSEPS, Ferdinand de, Suez, Egypt.
 LUCE, Capt. S. B., U. S. Navy, Newport, R. I.
 LONG, Col. C. Chaillé, New York.
 MCCARTEE, Divie Bethune, M.D., Tōkio, Japan.
 MALTE-BRUN, V. A., Honorary Secretary of the Geographical Society, Paris.
 MARISCAL, Senor Don Ignacio, Mexico.
 MARSH, Hon. George P., LL.D., Rome.
 MARTIN, Rev. Wm. P., President Imperial College, Peking, China.
 MAURY, Louis Ferdinand Alfred, Paris.
 MAUNOIR, Charles, Paris.
 MORGAN, Lewis H., Rochester, N. Y.
 MELLO, Dr. T. G. M., Homein de, Rio Janeiro.
 MORGAN, Henry Jas., Ottawa, Canada.
 NAPISTEK, Vojta, Prague, Austria.
 NASSAU, Rev. R. A., Gaboon, Equatorial Africa.
 NEGRI, Cristoforo, Hamburgh, Germany.
 NEWMARCH, William, Honorary Secretary Statistical Society of London.
 ORTIZ, Senor Don Manuel D., Seville, Spain.
 PASSMORE, Frank B., C.E., New Zealand.
 PACHA, Ismail, Governor-General of the Soudan.
 POESCHE, Theodore, Washington, D. C.
 PARALTA, Senor Don Manuel M., Min. Res. Costa Rica, Washington, D. C.
 RETIRO, Viscount Bom, President Historical and Geographical Society, Rio Janeiro.
 RAIMONDI, Don Antonio, Peru.
 RAE, John, M.D., London, England.

- RAYMOND, Capt. Charles W., U. S. Army, West Point, N. Y.
 ROBERTS, Gen. W. M., New York.
 ROMERO, Mathias, Mexico.
 ROGERS, Rear-Admiral John, U. S. Navy.
 ROTHROCK, J. T., M.D., Wilkesbarre, Pa.
 ROHLFS, Gerhard, M.D.
 SEQURO, Viscount Porto, Minister of Brazil at Vienna.
 STONE, Gen. Charles P., Cairo, Egypt.
 SAINT-MARTIN, Vivien de, Paris.
 SAPUCACHY, M. le Visconte, Rio Janeiro, Brazil.
 SCHLAGINTWEIT-SAKUNLUNSKI, Robert von, Gissen, Germany.
 SCHLAGINTWEIT-SAKUNLUNSKI, Hermann von.
 SCHUMACHER, Herman A., M.D., Consul-General German Empire, New York.
 SCHUMACHER, John, Altona, Germany.
 SCHUYLER, Eugene, Constantinople.
 SELFRIDGE, Com'r T. O., U. S. Navy, Washington, D. C.
 SEYMOUR, Horatio, LL.D., Utica, N. Y.
 STANLEY, Henry M.
 STARRING, Gen. F. A., Paris.
 STEVENS, Henry, London.
 STEERE, J. B., Hong-Kong, China.
 VAN BENTHUYSEN, Charles, Albany, N. Y.
 VAN CAMPEN, Samuel Richard, London.
 WALKER, Gen. Francis A., New Haven, Conn.
 WHEELER, Lieut. G. M., U. S. Army, Washington, D. C.
 WILLIAMS, S. Wells, LL.D., New Haven, Conn.
 WYMAN, Capt. R. H., U. S. Navy, Washington, D. C.
 YOUNG, Jess, F.R.G.S., Wisbeach, England.

FELLOWS.

Date of Election.

- 1859 Arnoux, William H.
 1859 Arnold, David H. (L. F.)
 1859 Aymar, William. (L. F.)
 1860 Acton, Thomas C.
 1868 Appleton, William H.
 1869 Auchmuty, Richard Tylden.
 1871 Atterbury, Rev. Wm. Wallace, D.D.
 1872 Allen, Horatio M.
 1873 Albert, Halpern.
 1874 Ascher, Adolph.
 1874 Adler, Felix, M.D.
 1874 Adams, Rev. Wm., D.D.
 1874 Agnew, John T. (L. F.)
 1874 Arnold, Richard.
 1874 Allen, Henry Wilder.
 1874 Alexander, Junius B.

Date of Election.

- 1874 Alexander, Charles B.
 1874 Abbott, James L.
 1874 Arthur, Gen. Chester A.
 1874 Auferman, August.
 1874 Auchincloss, Henry B.
 1874 Acker, David D.
 1874 Avery, Samuel P.
 1874 Amend, Bernhard G.
 1874 Agnew, Alexander McL.
 1874 Adams, Charles Francis.
 1874 Astor, W. W.
 1874 Appleton, John A.
 1874 Appleton, D. S.
 1874 Adams, John P.
 1874 Anderson, Henry H.
 1874 Alsop, William.

- 1874 Amy, Henry.
 1874 Andrews, George H.
 1875 Alexander, William.
 1875 Alexander, J. W.
 1875 Amsinck, Gustav.
 1876 Andrews, Wm. L.
 1876 Amory, Copley.
 1876 Appleton, Nathan.
 1878 Austin, Charles P.

 1852 Bancroft, George. (L. F.)
 1852 Barney, Hiram. (L. F.)
 1853 Brown, James M.
 1853 Butler, Charles.
 1856 Baker, Francis. (L. F.)
 1856 Berry, Richard.
 1856 Brevoort, J. Carson.
 1856 Brown, Stewart.
 1859 Brown, James. (L. F.)
 1859 Boorman, J. M.
 1859 Boardman, Andrew.
 1859 Bernheimer, Isaac.
 1859 Belmont, August. (L. F.)
 1859 Barlow, S. L. M.
 1860 Benedict, Erastus C.
 1861 Butterfield, Gen. Daniel.
 1865 Banvard, John.
 1865 Bellows, Rev. Henry W., D. D.
 1868 Banks, David.
 1868 Beardslee, Rufus G.
 1868 Beckwith, N. M.
 1868 Bennett, James Gordon.
 1868 Bernheimer, Adolph.
 1868 Bernheimer, Simon.
 1868 Bill, Edward.
 1868 Blake, Charles F.
 1868 Brady, John R.
 1869 Bailey, Jas. Muhlenberg. (L. F.)
 1869 Banyer, Goldsboro.
 1869 Bickmore, Prof. A. S.
 1869 Bierstadt, Albert.
 1870 Butler, Cyrus.
 1870 Botta, Prof. Vincenzo.
 1870 Body, John E.
 1870 Bishop, T. Alston. (L. F.)
 1870 Bell, George.

 1872 Bryce, James. (L. F.)
 1872 Brown, Walston H.
 1873 Blood, O. Howard.
 1873 Bailey, N. P.
 1874 Bishop, D. W. (L. F.)
 1874 Bien, Julius.
 1874 Beecher, Rev. Henry Ward.
 1874 Bartlett, Willard.
 1874 Bissinger, Philip.
 1874 Barney, Newcomb C.
 1874 Backus, Henry C.
 1874 Ballin, Eugene S.
 1874 Baldwin, Townsend B.
 1874 Bates, Levi M.
 1874 Barnes, John S.
 1874 Barbour, Thomas.
 1874 Bonner, Robert.
 1874 Bonn, William B.
 1874 Bjerring, Rev. Nicolas.
 1874 Barnard, Horace.
 1874 Barnard, F. A. P., LL.D.
 1874 Benjamin, John.
 1874 Butler, Wm. Allen.
 1874 Bartow, Morey H.
 1874 Barling, Henry A.
 1874 Barr, William.
 1874 Belding, Milo M.
 1874 Beach, Wm. A.
 1874 Buckley, Rev. Jas. M.
 1874 Bookstaver, Henry W.
 1874 Brownson, Lieut. W. H., U.S.N.
 1875 Barney, Charles T.
 1875 Bancroft, Benjamin F.
 1875 Beaman, Charles C., Jr.
 1875 Balch, George T.
 1875 Bernheimer, J. A.
 1875 Beckwith, Leonard F.
 1875 Benjamin, E. B.
 1875 Bull, Charles S., M.D.
 1875 Brewerton, Gen. Henry, U.S.A.
 1875 Beekman, Gerard.
 1875 Babcock, Gen. O. E., U. S. Army.
 1875 Brownell, Silas B.
 1875 Bergland, Lieut. Eric, U. S. Army.
 1875 Burgess, William J.
 1875 Brown, Vernon H.

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| 1875 Barnes, Wm. | 1863 Cary, William F. (L. F.) |
| 1875 Bliss, George. | 1868 Catlin, N. W. Stuyvesant. (L. F.) |
| 1875 Beste, Henry. | 1868 Cisco, John J. |
| 1875 Bredt, Ernest. | 1868 Chapman, Joseph H. |
| 1875 Bonner, John. | 1869 Cullum, Gen. G. W., U. S. Army.
(L. F.) |
| 1875 Buckley, Charles E. | 1874 Cruickshank, James, LL.D. |
| 1875 Bernacki, Charles, M.D. | 1870 Conklin, William A. |
| 1875 Bent, Captain Silas. | 1872 Corse, Israel. |
| 1875 Bedle, Joseph D. | 1872 Conklin, Eugene E. |
| 1875 Belknap, Capt. George E., U.S.N. | 1872 Crawford, Gen. S.W., U.S. Army. |
| 1875 Bowie, Augustus J., Jr. | 1872 Clark, E. V. |
| 1876 Bowne, Richard H. | 1872 Cox, Samuel S. |
| 1876 Burnett, Henry L. | 1873 Coster, Charles H. |
| 1876 Buell, James. | 1874 Connery, T. B. |
| 1876 Breese, Jas. Lawrence. | 1874 Cowdrey, N. A. |
| 1876 Banks, James L., M.D. | 1874 Curphey, James. |
| 1876 Baldwin, Com'r Charles H., U.S.N. | 1874 Campbell, Allan. |
| 1876 Brower, John. | 1874 Church, Col. George E. |
| 1876 Billings, Frederick. | 1874 Chauncey, Henry. |
| 1876 Bellew, F. H. T. | 1874 Chistern, F. W. |
| 1877 Booth, George. | 1874 Courtright, Milton. |
| 1877 Bixby, Robert F. | 1874 Cockcroft, Jacob H. V. |
| 1877 Börs, Christian. | 1874 Chickering, Charles F. |
| 1877 Briggs, Prof. Charles A. | 1874 Comstock, Cornelius. |
| 1877 Blanchard, George R. | 1874 Constable, James M. |
| 1877 Blatchford, Eliphalet W. | 1874 Ceballos, J. M. |
| 1878 Brodhead, Richard. | 1874 Cable, George W. |
| 1878 Black, R. C. | 1874 Carter, Walter S. |
| 1878 Bliss, Cornelius N. | 1874 Caswell, Wm. H. |
| 1878 Brown, G. Melville. | 1874 Crerar, John. |
| 1878 Barton, Oliver Grant. (L. F.) | 1874 Crocker, David. |
| 1878 Brown, Rev. Philip A. H. | 1874 Cruikshank, Edwin A. |
| 1878 Brand, James. | 1874 Crosby, J. Schuyler. |
| 1878 Beidleman, William. | 1874 Clark, Lot Curran. |
| 1878 Brown, J. Warren. | 1874 Coates, Isaac T., M.D. |
| 1878 Brown, J. Romaine. | 1874 Cochrane, Capt. Henry Clay,
U.S.M.C. |
| 1852 Colton, Joseph H. (L. F.) | 1874 Colgate, James B. |
| 1855 Conkling, Frederick A. (L. F.) | 1874 Constantine, Andrew J. |
| 1855 Cooper, Peter. | 1874 Constantine, John. |
| 1856 Cooley, James E. (L. F.) | 1874 Corning, Erastus. |
| 1856 Colgate, Charles C. | 1874 Cottenet, Francis. |
| 1856 Cooper, Edward. | 1874 Cossitt, Frederick H. |
| 1856 Crooks, Ramsey. (L. F.) | 1874 Cogswell, Wm. L. |
| 1856 Curtis, William E. | 1874 Coutan, Charles E. |
| 1862 Cowdin, Eliot C. | |

- 1874 Conyngham, Wm. L.
 1874 Crosby, Hiram B.
 1874 Crocker, George A.
 1874 Crocker, Wm. Baylies.
 1874 Chickering, George H.
 1874 Carter, Oliver S.
 1874 Carhart, Thomas F.
 1874 Catlin, Julius, Jr.
 1874 Cabot, Stephen.
 1874 Colgate, Robert.
 1874 Curren, Robert.
 1875 Clendenin, J. W.
 1875 Cameron, R. W.
 1875 Cushman, W. F.
 1875 Cornwall, N. Ellsworth.
 1875 Colgate, Bowles.
 1875 Cooper, George C.
 1875 Champlin, John D., Jr.
 1875 Cassebeer, Henry A., Jr.
 1875 Clark, A. Hyatt.
 1875 Chalmers, George.
 1875 Childs, Calvin G.
 1875 Clarke, W. W.
 1875 Cone, James B.
 1875 Cameron, Prof. J. G. M.
 1875 Chittenden, S. B., Jr.
 1876 Clarke, W. H.
 1876 Cullum, Mrs. George W. (L. F.)
 1876 Constable, Major A. G.
 1876 Cornell, John B.
 1876 Curtis, Benjamin L.
 1876 Curtis, Benjamin R.
 1877 Crosby, F. L.
 1878 Cornwallis, K.
 1878 Chisolm, Alexander Robert.
 1855 Daly, Chief-Justice C. P. (L. F.)
 1855 Dunshee, Prof. Henry W.
 1856 Duncan, Wm. Butler.
 1856 Douglas, Andrew E.
 1856 Dodge, Wm. E., Jr.
 1856 Dodge, Wm. E.
 1856 Detmold, Wm., M.D.
 1859 Dickerson, E. N.
 1864 Detmold, Christian E.
 1866 Darling, Wm. A.
 1868 Dwight, Prof. Theo. W.
 1868 Du Chaillu, Paul B.
 1868 Dennis, Charles. (L. F.)
 1868 Davies, Henry E.
 1870 Dash, John B.
 1870 Davis, Alexander J. (L. F.)
 1870 Drowne, Henry F.
 1870 Dinsmore, William B.
 1871 Daly, Joseph F.
 1873 De Peyster, Frederick. (L. F.)
 1873 Delano, Franklin H.
 1873 Dwight, James F.
 1874 De Peyster, Gen. J. Watts. (L. F.)
 1874 Diefendorf, Menzo.
 1874 Davis, Noah.
 1874 Dillon, Romaine. (L. F.)
 1874 Dutilh, E.
 1874 Downer, Samuel.
 1874 Decker, Charles A.
 1874 Delafield, M. L.
 1874 Dix, Gen. John A.
 1874 Dana, Charles A.
 1874 Draper, Frank E.
 1874 Devlin, Jeremiah.
 1874 Davidson, Stratford P.
 1874 Donohue, Charles.
 1874 Decker, John J.
 1874 Del Monte, Leonardo.
 1874 Du Bois, Wm. A.
 1874 De Castro, Diego.
 1874 Delmonico, L.
 1874 Davis, John G.
 1874 Davis, John H.
 1874 Dalrymple, Alexander.
 1874 Duke, John H.
 1874 Dunscomb, Richard T.
 1874 Dun, R. G.
 1874 Defendorf, Wilson.
 1875 Darrow, William.
 1875 Davies, Julien T.
 1875 Du Bois, Eugene.
 1875 Donnelly, John J.
 1875 Daniel, Edwin M.
 1875 Dodd, Josiah F.
 1875 Davidson, Charles A.
 1875 Dodge, Charles C.

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| 1875 De Peyster, Frederic J. (L. F.) | 1856 Field, David Dudley. |
| 1875 Delafield, Lewis L. | 1856 Field, B. H. (L. F.) |
| 1875 Dommerick, L. F. | 1856 Fernbach, Henry. |
| 1875 De Camp, Wm. Scott. | 1859 Fogg, Wm. H. (L. F.) |
| 1876 Dawson, A. H. H. | 1860 Field, Rev. H. M. |
| 1876 Davis, Gilbert F. | 1864 Faile, Thomas H. |
| 1876 Day, Lieut. Murray S., U.S.N. | 1868 Frohwein, Theobald. |
| 1876 Drexel, Joseph W. | 1869 Furniss, William. |
| 1876 Dawson, B. F., M.D. | 1869 Forsyth, Rev. John. |
| 1877 Day, Henry M. | 1869 Field, Dudley. |
| 1877 Drennan, Prof. M. J. | 1871 Fliess, Wm. M. |
| 1877 Davis, Joseph Beale. (L. F.) | 1873 Freedman, John J. |
| 1877 Dorzheimer, William. | 1873 Fithian, Freeman J. |
| 1878 Dana, Charles. | 1874 Farragut, Loyall. |
| 1878 Daulte, Frank. | 1874 Foshay, James W. |
| 1878 Day, Gen. H., U. S. Army. | 1874 Fabbri, Egisto P. |
| 1878 Day, Henry. | 1874 Fisk, Harvey. |
| 1878 Di Cesnola, Gen. L. B. | 1874 Fellows, John P. |
| 1853 Eyre, Henry S. P. | 1874 Ferry, George J. |
| 1859 Evarts, William M. | 1874 Francklyn, C. G. |
| 1864 Evans, Walton W. | 1874 Fleet, Oliver S. |
| 1868 Emmet, Thomas Addis, M.D. | 1874 Fatman, Lewis. |
| 1872 Edwards, Jonathan. | 1874 Fabbri, Ernesto G. |
| 1873 Ellinger, Moritz. | 1874 Foster, Wm. R. |
| 1874 Ernst, C. W. | 1874 Forman, Alexander. |
| 1874 Endicott, Francis. | 1874 Fox, Baldwin N. |
| 1874 Eaton, Dorman B. | 1874 Frothingham, Rev. O. B. |
| 1874 Eaton, D. Cady. | 1874 Fongera, Edmund C. |
| 1874 Ewen, John, Jr. | 1874 Frame, Charles P. |
| 1874 Eaton, Sherburne B. | 1874 Fox, Austen G. |
| 1875 Eldridge, Titus B. | 1875 Foulke, Thomas. |
| 1875 Esterbrook, Richard, Jr. | 1875 Faile, Charles V. |
| 1875 Ellis, John W. | 1875 Fargo, James C. |
| 1875 Elliott, John. | 1875 Fuller, Charles D. |
| 1875 Eimer, Charles. | 1875 Farquhar, Col. Francis U. U. S. |
| 1875 Ely, Richard S. | Army. |
| 1875 Eads, Captain James B., C.E. | 1875 Forster, Robert |
| 1876 Ellers, George Howard. | 1875 Ford, James B. |
| 1877 Elderkin, John. | 1875 Foote, Emerson. |
| 1878 Eno, John C. | 1875 Fay, A. Goodrich. |
| 1878 Ellis, John, M.D. | 1875 Folsom, George W. |
| 1878 Edson, Franklin. | 1876 Fisk, Gen. Clinton B. |
| 1854 Field, Cyrus W. (L. F.) | 1877 Fiske, Andrew. |
| 1857 Fish, Hamilton. | 1877 Flagg, Wm. J. |
| | 1878 Ferris, L. Murray, Jr. |
| | 1878 Falls, William E. S. |

- 1856 Greenwood, Isaac J.
 1856 Guernsey, Egbert, M.D.
 1857 Greene, John W., M.D. (L. F.)
 1859 Griswold, George. (L. F.)
 1860 Graham, James L. (L. F.)
 1868 Gambrell, C. D.
 1868 Gebhard, Wm. H. (L. F.)
 1868 Gerry, Elbridge T. (L. F.)
 1868 Goldsmith, Jacob.
 1868 Green, Andrew H.
 1868 Greene, Gen. G. S.
 1869 Gilbert, Clinton.
 1870 Graham, Gen. C. K.
 1872 Gerard, James W.
 1872 Grinnell, R. M. (L. F.)
 1873 Gillmore, Gen. Q. A., U.S. Army.
 1873 Gedney, Frederick G.
 1873 Glaubenslee, Theo. G.
 1874 Gardner, Hugh.
 1874 Green, John.
 1874 Gunther, Wm. Henry.
 1874 Gunther, F. F.
 1874 Gibert, Fred. E.
 1874 Gibbs, Theodore K.
 1874 Gleason, Wesley.
 1874 Gottsberger, Wm. S.
 1874 Goodsell, James H.
 1874 Gomez, Raphael M.
 1874 Galpen, Horace.
 1875 Greene, Lieut. F. V., U. S. Army.
 1875 Gordon, Robert.
 1875 Germond, Wellington.
 1875 Greene, G. S., Jr., C.E.
 1875 Garrison, Cornelius K.
 1875 Gibson, James.
 1875 Goepp, Charles.
 1876 Gautier, Dudley G.
 1876 Gerson, Julius.
 1877 Green, Lieut.-Com. F. M., U.S.N.
 1877 Gaylord, Augustus.
 1877 Guleke, H. F., M.D.
 1878 Gescheidt, Mrs. A.
 1878 Gillies, James W.
 1878 Garrison, William R.
 1856 Hunt, Wilson G.
 1856 Herring, Silas C.
 1858 Holton, David P., M.D. (L. F.)
 1859 Henderson, John C.
 1859 Havemeyer, John C. (L. F.)
 1864 Hammond, Henry B.
 1868 Huntington, Daniel. (L. F.)
 1868 Hurlbert, Wm. H.
 1868 Hoyt, David.
 1868 Hogue, Robert J.
 1868 Hall, Elial F.
 1868 Hayes, Isaac I., M.D.
 1868 Hadden, John A. (L. F.)
 1868 Hallock, Mrs. Frances.
 1869 Hutchins, Waldo.
 1870 Hawkes, Prof. W. Wright.
 1870 Havens, Charles G.
 1870 Harrison, Prof. Thomas F.
 1871 Hamilton, Alexander, Jr.
 1871 Hand, Clifford A.
 1872 Hoffman, Wm. B.
 1872 Hammersley, John W. (L. F.)
 1872 Hawkins, Dexter A.
 1872 Holbrook, Levi.
 1873 Havemeyer, Theo. A.
 1874 Hamersley, A. Gordon. (L. F.)
 1874 Hamersley, Louis C. (L. F.)
 1874 Hancock, Gen. Winfield S., U.S.A.
 1874 Hay, John.
 1874 Haldeman, S. S.
 1874 Hitchcock, Rev. Roswell D., D.D.
 1874 Havemeyer, Hector C.
 1874 Hogue, Henry L.
 1874 Hoyt, Oliver.
 1874 Hurlbert, Henry A. (L. F.)
 1874 Hutton, Benjamin H.
 1874 Haydock, George G.
 1874 Haines, John P.
 1874 Hinton, John H., M.D.
 1874 Hendricks, M. M.
 1874 Hawk, Samuel.
 1874 Hallgarten, Adolphus.
 1874 Havemeyer, James.
 1874 Holbrook, E. F.
 1874 Hoe, Richard M.
 1874 Harper, Nathan.
- 1856 Hewitt, Abram S.

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| 1874 Hunter, Charles F. | 1859 Ireland, John B. |
| 1874 Hendricks, Edmund. | 1874 Isaacs, Isaac S. |
| 1874 Hendricks, Joshua. | 1874 Ives, Fred'k E. |
| 1874 Hawes, James W. | 1874 Iselin, Adrian, Jr. |
| 1874 Hatch, Rufus. | 1878 Israels, Lehman. |
| 1874 Huntington, C. P. | |
| 1874 Hunter, Lieut. Edward. | 1852 Jay, John. (L. F.) |
| 1874 Hoyt, Harlow M. | 1852 Jones, John D. (L. F.) |
| 1875 Hubbard, Prof. O. P. | 1868 Johnson, Henry W. |
| 1875 Howard, Thomas T., Jr. | 1868 Johnson, Hezron A. |
| 1875 Hall, Rev. Randall C. | 1868 Jacob, Ephraim A. |
| 1875 Hammond, Wm. A., M.D. | 1870 James, Fred'k P. |
| 1875 Houston, Col. D. C., U.S.A. | 1871 Jones, Walter R. T. |
| 1875 Heuer, Capt. Wm. H., U.S.A. | 1874 Judson, Wm. D. |
| 1875 Hoxie, Lieut. Richard L., U.S.A. | 1874 Janssen, Gerhard. |
| 1875 Howell, Maj. Charles W., U.S.A. | 1874 Jesup, M. K. |
| 1875 Hoadley, John C. | 1874 Jaffray, Edward S. |
| 1875 Hughes, Wm. H. T. | 1874 Jenkins, Wm. L. |
| 1875 Hoppenstedt, G. L. | 1874 James, D. Willis. |
| 1875 Heins, Wm. F. | 1874 Jameson, Joseph A. |
| 1875 Herpich, Charles A. | 1874 Jordan, Conrad N. |
| 1875 Hodgskin, James B. | 1874 Jones, George. |
| 1875 Hanemann, John F. | 1874 Jaffray, Robert. |
| 1875 Howes, Leander T. | 1876 Johnston, James W. |
| 1875 Howland, Meredith. | 1876 Johnson, Rossiter. |
| 1875 Hyde, Henry B. | 1876 Jones, John M. |
| 1875 Harper, P. J. A. | 1878 Jones, George H. |
| 1875 Hazen, Gen. W. B., U. S. Army. | 1878 Judson, Capt. J. A., C.E. |
| 1875 Harris, Siegmund. | |
| 1875 Hun, Leonard G. | 1854 Kennedy, Robert Lenox. |
| 1876 Heminway, Albert G. | 1869 Kelly, Eugene. |
| 1876 Holt, Henry. | 1870 Kühne, Frederick. |
| 1876 Hallock, Henry W. | 1872 Kendrick, Col. H. L., U. S. |
| 1876 Halsted, Major Geo. B. | Army. |
| 1876 Hoare, W. Robert. | 1872 Klamroth, Albert. |
| 1876 Holman, Frank E. | 1873 Kennan, George. |
| 1876 Hill, Frank A. | 1874 King, Edward. |
| 1876 Hyde, Samuel N. | 1874 Kearney, Joseph R. |
| 1876 Hoes, Wm. M. | 1874 Kunhardt, Henry R. |
| 1876 Hatfield, J. B. T. | 1874 Kingsland, Wm. M. (L. F.) |
| 1877 Houghton, Prof. Walter R. | 1874 Kidder, Henry P. |
| 1878 Howe, George S. | 1874 Kalbfleisch, Charles H. |
| 1878 Herrman, Henry. | 1874 Knoedler, Julius. |
| 1878 Hinman, Wm. K. | 1874 Keck, Thomas. |
| 1878 Holden, Horace. | 1874 Kemp, Wm. |
| 1878 Hitchcock, Hiram. | 1874 Keese, Samuel T. |

- 1874 Kitching, Robert N
 1874 Knower, John.
 1874 Kemp, John H.
 1874 King, David, Jr.
 1874 King, Lewis.
 1875 Knapp, Herman, M.D.
 1876 Kobbé, Herman.
 1876 Knauth, Percival.
 1876 Koonz, P. J., M.D.
 1876 Kent, Andrew W.
 1877 King, Clarence.
 1877 Kane, Gen. Thomas L.
 1878 Kernochan, Jas. Lorillard. (L.F.)
 1852 Livingston, Cambridge. (L. F.)
 1856 Lanier, J. F. D.
 1857 Low, A. A.
 1859 Lenox, James.
 1859 Lathers, Richard. (L. F.)
 1868 Leslie, Frank.
 1868 Lawrence, Abraham R.
 1869 Lawrence, John S. (L. F.)
 1870 Loew, Fred'k W.
 1870 Lyman, Edward H. R.
 1871 Letson, Robert S.
 1871 Larremore, Richard L.
 1871 Lee, Ambrose.
 1872 Libbey, Wm. (L. F.)
 1873 Lydig, Mrs. P. M.
 1873 Latting, John J.
 1874 Lathrop, F. S. (L. F.)
 1874 Lauterbach, Edward.
 1874 Livingston, Robert J. (L. F.)
 1874 Langdon, Walter. (L. F.)
 1874 Lorillard, Peter.
 1874 Lord, George W. T.
 1874 Lorillard, George L.
 1874 Leavenworth, E. W.
 1874 Livingston, John A.
 1874 Livingston, Robert E.
 1874 Littlejohn, James.
 1874 Lawton, Walter E.
 1874 Lawrence, Jos. B.
 1874 Leggett, Francis W.
 1874 Le Comte, Joseph.
 1874 Lewis, Walter H.
 1874 Lawson, Leonidas M.
 1874 Lane, George W.
 1874 Lawrence, Samuel B.
 1874 Lawrence, Alexander C.
 1874 Lawrence, Effingham N.
 1874 Leshner, Stephen R.
 1875 Luff, George.
 1875 Low, Seth.
 1875 Lawrence, George N.
 1875 Lowrey, James P.
 1876 Low, A. Augustus.
 1876 Lindau, Leopold.
 1877 Lockwood, Le Grand.
 1877 Landesman, John.
 1877 Lindley, John.
 1877 Latrobe, John H. B.
 1878 Loubat, J. F., LL.D. (L. F.)
 1878 Leon, Nestor Ponce de.
 1878 Lehmeier, Louis T.
 1852 Myers, Col. T. Bailey. (L. F.)
 1853 Moore, George H. (L. F.)
 1856 Morgan, E. D.
 1856 Monroe, Ebenezer.
 1856 Manners, David S.
 1859 McMullen, John.
 1859 Morrell, Wm. H. (L. F.)
 1859 Moore, Frank. (L. F.)
 1863 May, Lewis.
 1863 Moore, W. H. H. (L. F.)
 1864 Morton, Levi P.
 1866 Morris, Robert R.
 1868 Morrison, Henry.
 1868 Moreau, John B.
 1868 Montgomery, A. G., Jr.
 1868 Martin, Isaac P.
 1868 Marquand, Henry G.
 1868 Marsh, Luther R.
 1868 MacKellar, Wm.
 1868 McClure, George.
 1869 Mount, Richard E. (L. F.)
 1869 Moore, Henderson.
 1870 Marbury, Francis F.
 1870 Myer, Gen. A. J., U.S.A. (L. F.)
 1870 Murray, D. Colden.
 1870 Miles, Edward D.
 1871 Maclay, Robert.
 1872 Meyer, F. William.

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| 1872 Matthews, Edward. (L. F.) | 1877 Morton, Wm. J., M.D. |
| 1872 Marié, Peter. (L. F.) | 1877 Matsell, George W. |
| 1873 Moore, C. B. | 1878 McMaster, Prof. J. B. |
| 1874 Morris, Henry L. | 1878 Morison, John C. |
| 1874 Mailler, W. H. | 1878 Merrick, William H. |
| 1874 Macy, Wm. H. | 1878 Montant, Alphonse. |
| 1874 Marble, Manton. | 1878 Motley, James. |
| 1874 Morrison, Edward. | 1878 Musgrave, Thomas B. |
| 1874 Morgan, W. F. | 1878 Mason, Lieut. Theodorus B. M., |
| 1874 Montgomery, Thos. H. | U.S.N. (L. F.) |
| 1874 Miller, Philip S. | |
| 1874 McElligott, Henry R. | 1859 Norrie, Adam. (L. F.) |
| 1874 Mott, Alexander B., M.D. | 1870 Neilson, William H. |
| 1874 Moir, James. | 1873 Neilson, Frederic. |
| 1874 Morgan, J. Pierpont. (L. F.) | 1874 Nourse, Prof. J. E. |
| 1874 Maclay, Isaac W., C.E. | 1874 Newell, John. |
| 1874 Myers, John K. | 1874 Neergaard, Wm. |
| 1874 Martin, John M. | 1874 Niles, William W. |
| 1874 Marks, Joseph H. | 1874 Norris, George. |
| 1874 McAlpin, David H. | 1874 Nones, Alexander. |
| 1874 Merrall, Wm. J. | 1874 Newcombe, Isaac B. |
| 1874 McMahon, Gen. M. T. | 1875 Nesmith, R. D., M.D. |
| 1874 Moulton, Clarence F. | 1875 Newton, Gen. John, U. S. Army. |
| 1874 McCurdy, Robert H. | 1875 Northrop, A. L. |
| 1874 Miller, Geo. Macculloch. | 1875 Newton, Isaac, C.E. |
| 1875 Martin, George C. | 1876 Nott, J. V. Henry. |
| 1875 Marshall, F. Pelham. | |
| 1875 Mitchell, Edward. | 1868 Ogden, Alfred. |
| 1875 Macy, Arthur. | 1869 O'Connor, Charles. |
| 1875 Morgan, Rev. John B., D.D. | 1874 Ottendorfer, Oswald. |
| 1875 Marcus, Arnold. | 1874 Osgood, Franklin. |
| 1875 Meyer, Theo. F. H. | 1874 Olyphant, Robert M. |
| 1875 Mott, Henry A., Jr. | 1874 Owen, Edward H. |
| 1875 Michler, Gen. Nathaniel, U.S.A. | 1874 Oakley, E. Benedict. |
| 1875 Monheimer, Joseph A. | 1874 Owen, Edward L. |
| 1875 Magoun, George C. | 1874 Owen, Frederick N. |
| 1875 Montague, Col. G. L. | 1875 Otterbourg, Marcus. |
| 1875 Magnus, Carl. | 1875 Ottiwell, John D. |
| 1875 Maclay, Moses B. | 1875 O'Connor, Thomas H. |
| 1875 Merritt, M. F. | 1875 Opdyde, William S. |
| 1875 Martin, Bradley. | 1876 Olmsted, Fred'k Law. |
| 1875 Meyer, L. H. | 1876 Olmstead, Dwight H. |
| 1875 McLanahan, Geo. William. | 1877 O'Gorman, Richard. |
| 1876 Mitchell, W. Howard. | 1877 Ogden, Isaac C., Jr. |
| 1876 Mitchell, Edwin P. | 1878 Osgood, Prof. Howard. |
| 1876 Mattson, Morris, M.D. | |

- 1852 Prime, Frederick. (L. F.)
 1852 Poor, Henry V. (L. F.)
 1852 Pierrepont, Henry E. (L. F.)
 1855 Pierrepont, Edwards.
 1857 Pyne, Percy R.
 1859 Purser, Geo. H.
 1859 Prime, Fred'k E. (L. F.)
 1860 Phelps, Royal. (L. F.)
 1862 Phillips, Geo. W.
 1868 Powers, Wm. P.
 1868 Pfeiffer, Carl.
 1868 Paulison, John P.
 1868 Parton, James.
 1871 Potter, Howard.
 1871 Peabody, Charles A.
 1872 Parish, Henry.
 1873 Plum, Elias.
 1874 Parker, Willard, M.D.
 1874 Peake, Wm. I.
 1874 Peckham, Walton H.
 1874 Peabody, Arthur J.
 1874 Pell, Robert L.
 1874 Penfold, Wm. Hall.
 1874 Phelps, I. N.
 1874 Phoenix, S. Witney. (L. F.)
 1874 Potter, Orlando B.
 1874 Pondir, John.
 1874 Popham, Wm. H.
 1874 Parsons, George W.
 1874 Paris, Sherman.
 1874 Pastor, Henry.
 1874 Pratt, Daniel R.
 1874 Preble, John Q.
 1874 Porter, John K.
 1874 Packer, Elisha A.
 1874 Powers, George J.
 1874 Pellew, Henry E.
 1874 Prichard, Wm. M.
 1875 Prentice, W. P.
 1875 Pope, General John, U. S. Army.
 1875 Pohlman, Wm.
 1875 Pfund, Anton.
 1875 Peipers, Hugo.
 1875 Porter, Gen. Horace.
 1875 Pumpelly, Prof. Raphael.
 1875 Putnam, Prof. F. W.
 1876 Perkins, George W.
 1876 Parsons, Levi.
 1876 Peet, William E.
 1876 Plum, James R.
 1876 Palmer, Gen. W. J.
 1877 Prime, Rev. Wendell, D.D.
 1878 Parsons, Arthur W.
 1878 Parsons, Edwin.
 1878 Prescott, George B.
 1874 Quintard, Edward A.
 1875 Quinn, Lieut. Jas. B., U.S. Army.
 1854 Ruggles, Samuel B.
 1854 Rutherford, L. M.
 1856 Randolph, Anson D. F.
 1856 Remsen, William. (L. F.)
 1856 Riker, John H.
 1859 Rapallo, Charles A.
 1859 Reckendorfer, Joseph. (L. F.)
 1861 Rogers, C. B. (L. F.)
 1868 Raven, Anton A.
 1868 Roberts, Marshall O.
 1868 Rose, Cornelius.
 1872 Robbins, Chandler. (L. F.)
 1873 Reinhart, B. F. (L. F.)
 1874 Robeson, George M.
 1874 Reid, Whitelaw.
 1874 Rives, Francis R.
 1874 Richardson, Wm. A.
 1874 Richard, Auguste.
 1874 Ruggles, Philo T.
 1874 Rogers, H. Livingston.
 1874 Riley, Charles V.
 1874 Riker, Wm. J.
 1874 Requa, James M.
 1874 Reynes, Jayme.
 1874 Renauld, Peter A. H.
 1874 Richard, Charles B.
 1874 Rhoades, John H.
 1874 Ramsey, Charles G.
 1874 Ransom, F. A.
 1874 Rhoades, Lyman.
 1875 Roosevelt, Clinton.
 1875 Robinson, Henry E.
 1875 Rives, G. L.

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| 1875 Robbins, H. W., Jr. | 1872 Stern, Myer. |
| 1875 Roberts, Nathan B. | 1872 Stengel, Prof. Frederick. |
| 1875 Read, J. Meredith. | 1872 Steiger, E. |
| 1875 Ranft, Richard. | 1872 Stuyvesant, Rutherford. (L. F.) |
| 1875 Raht, Edward E. | 1873 Smith, James M. |
| 1875 Rose, Charles. | 1873 Slevin, Thomas E. |
| 1875 Rosenfeld, Isaac. | 1873 Sturges, Frederick. |
| 1876 Ross, Wm. B. | 1873 Spencer, James C. |
| 1877 Rose, Theodore. | 1873 Strong, Charles E. |
| 1877 Rice, A. Thorndike. | 1873 Scott, Julian. (L. F.) |
| 1877 Roome, Wm. P. | 1873 Southworth, Alvan S. (L. F.) |
| 1878 Rogers, Charles H. | 1873 Sturgis, Frank K. |
| 1878 Roarback, Orville A. | 1874 Stone, Henry. |
| 1878 Rainey, Thomas, M.D. | 1874 Sands, Harry M. |
| 1878 Robinson, Thomas H. | 1874 Steinway, William. |
| 1878 Reed, J. C. | 1874 Storrs, Charles. (L. F.) |
| | 1874 Sands, Philip J. |
| 1853 Smith, James O., M.D. | 1874 Smith, Samuel Drake. |
| 1854 Sewell, Henry F. | 1874 Squires, Robert. |
| 1855 Stuart, Robert L. | 1874 Sloan, Samuel. |
| 1856 Stebbins, Henry G. | 1874 Schermerhorn, F. Augustus. |
| 1856 Spofford, Paul N. | 1874 Stuyvesant, Robert R. |
| 1856 Schermerhorn, Wm. C. | 1874 Scott, Col. Henry L. |
| 1856 Sherman, W. Watts. | 1874 Scudder, Henry J. |
| 1859 Schell, Augustus. (L. F.) | 1874 Stuart, Joseph. |
| 1859 Schultz, John H. (L. F.) | 1874 Sigel, Gen. Franz. |
| 1860 Stuart, Alexander. | 1874 Swarr, David M. |
| 1860 Stout, Francis A. (L. F.) | 1874 Stokes, James. |
| 1868 Sanger, A. L. | 1874 Strong, W. L. |
| 1868 Spencer, Charles S. | 1874 Stewart, D. Jackson. |
| 1868 Seward, Clarence A. | 1874 Stevens, Alexander Henry. |
| 1868 Shea, George. | 1874 Sherman, Benjamin B. |
| 1868 Smales, Holbert. | 1874 Shethar, Samuel. |
| 1869 Savage, John. (L. F.) | 1874 Sheafe, J. F. |
| 1869 Strebeigh, Robert M. | 1874 Schieffelin, Samuel B. |
| 1870 Schell, Richard. (L. F.) | 1874 Scott, Thomas A. |
| 1870 Sherwood, John. | 1874 Stiger, William E. |
| 1870 Sistare, George K. | 1874 Stillwell, Benj. M. |
| 1870 Schafer, Samuel M. | 1874 Sawyer, Warren. |
| 1870 Schafer, Simon. | 1874 Sands, Andrew H. |
| 1870 Seligman, Joseph. | 1874 Schaus, William. |
| 1870 Seligman, James. | 1874 Simpkins, N. S., Jr. |
| 1870 Seligman, Jesse. | 1874 Spinney, Joseph S. |
| 1870 Stoughton, Charles B. | 1874 Salomen, Edward. |
| 1871 Shaler, Gen. Alexander. | 1874 Sewell, Robert. |
| 1871 Swan, William H. | 1874 Striker, J. A. |

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| 1875 Stanford, Wm. H. | 1856 Tiffany, Charles L. |
| 1875 Smith, Lewis Bayard. | 1856 Townsend, Randolph W. |
| 1875 Smith, Charles Stewart. | 1857 Tremain, Edwin R. |
| 1875 Stewart, Col. Charles S., U.S.A. | 1859 Tracy, Charles. |
| 1875 Sturges, Henry C. | 1868 Taylor, Douglas. |
| 1875 Schultz, Carl H. | 1868 Tilden, Samuel J. |
| 1875 Stone, Charles Francis. | 1870 Tuckerman, Lucius. |
| 1875 Sandford, Elliott. (L. F.) | 1870 Thomson, James. |
| 1875 Stranahan, J. S. T. | 1872 Tower, Gen. Z. B., U.S. Army. |
| 1875 Schofield, Gen. John M., U.S.A. | 1872 Tracy, William. |
| 1875 Schieffelin, H. Maunsell. | 1872 Tyler, Arthur W. |
| 1875 Schack, Fred. | 1874 Tooley, James W. |
| 1875 Sherman, Isaac. | 1874 Thompson, David G. (L. F.) |
| 1875 Sibley, Gen. Henry H., U.S.A. | 1874 Tiemann, Peter C. |
| 1875 Schiff, Jacob H. | 1874 Tefft, Erastus T. |
| 1875 Strazburger, Oscar. | 1874 Thorne, Jonathan. |
| 1875 Schlesinger, Alfred. | 1874 Tousey, Sinclair. |
| 1875 Smith, Apollos. | 1874 Trevor, John B. |
| 1875 Smith, Augustine. | 1874 Taylor, Alfred J. |
| 1876 Schem, Prof. Alexander J. | 1874 Thorne, Wm. H. |
| 1876 Smith, Harsen H. | 1874 Turner, Herbert B. |
| 1876 Sibley, Hiram W. | 1874 Terry, Com'r Edward, U.S.N. |
| 1876 Spaulding, Henry F. | 1875 Tompkins, E. H. |
| 1876 Smith, Dwight, M.D. | 1875 Taintor, Charles M. |
| 1876 Stryker, Gen. Wm. S. | 1875 Thurber, Francis B. |
| 1876 Struve, Hans G. H. | 1875 Twining, Major W. J., U.S. Army. |
| 1876 Stone, A. B. | 1875 Terry, Gen. Alfred H., U.S. Army. |
| 1877 Schuyler, Philip. | 1875 Toel, William. |
| 1877 Shearman, William P. | 1875 Terbell, Henry S. |
| 1877 Sanford, Henry S. | 1876 Tappan, J. Nelson. |
| 1877 Sanger, Major Joseph P., U.S.A. | 1876 Trenchard, Edward. |
| 1877 Schaff, Rev. Philip, D.D. | 1876 Totten, Lieut. George Mansfield,
U.S. Navy. |
| 1878 Scott, James. | 1876 Terry, Rev. Roderick. |
| 1878 Scott, Thomas. | 1877 Thomas, T. Gaillard, M.D. |
| 1878 Stewart, William Rhinelander. | 1877 Tillinghast, Wm. H. |
| 1878 Slocum, J. J. | 1877 Talcott, James. (L. F.) |
| 1878 Sanford, A. Wright. | 1877 Tucker, Rev. Wm. J., D.D. |
| 1878 Swayne, Judge Noah H. | 1878 Tannatt, Gen. Thomas R., C.E. |
| 1878 Sands, William R. | 1878 Taylor, Rev. Wm. M., D.D. |
| 1878 Smith, S. Newton. | |
| 1878 Smull, W. P. | |
| 1878 Sabla, Theodore de Joly de. | 1876 Uhl, Herman. |
| 1854 Thompson, Rev. Joseph P., D.D.,
(L. F.) | 1854 Viele, Gen. Egbert L. |
| 1855 Tellkamp, T. A., M.D. | 1868 Van Santvoord, C. |
| | 1869 Vanderpoel, Aaron J. |

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| 1870 Van Brunt, Charles H. | 1874 White, Lieut.-Com. H. C., U.S.N. |
| 1874 Voorhis, Wm. | 1874 Waite, Chief Justice M. R. |
| 1874 Vanderbilt, Wm. H. | 1874 Wheeler, Everitt P. |
| 1874 Vincent, Frank, Jr. | 1874 Wadsworth, Julius. |
| 1874 Vyse, Thomas A., Jr. | 1874 Wallack, J. Lester. |
| 1874 Van Volkenburgh, P. | 1874 Wetmore, George P. (L. F.) |
| 1874 Van Rensselaer, K. | 1874 Wales, Salem H. |
| 1874 Vail, Henry F. | 1874 Willets, Samuel. |
| 1875 Vance, Samuel B. H. | 1874 Wyckoff, Jacob F. |
| 1875 Van Buren, John D., Jr. | 1874 Williamson, David B. |
| 1875 Valentine, Lawson. | 1874 Wilder, Marshall P. |
| 1875 Von Post, H. C. | 1874 Wilkeson, Samuel. |
| 1875 Vanderpoel, A. Ernest. | 1874 Willard, Seymour. |
| 1875 Verhuven, Henry F. | 1874 Worth, James L. |
| 1875 Von Dorrien, S. | 1874 Waite, Charles C. |
| 1876 Van Hoesen, George M. | 1874 Walraven, Ira E. |
| 1876 Van Brunt, Cornelius. | 1874 Wooster, George H. |
| 1877 Vanderbilt, Cornelius. | 1875 Work, J. Henry. |
| 1877 Voorhees, Charles H. | 1875 Wheeler, John V. |
| 1878 Vanderbilt, William K. (L. F.) | 1875 Willard, Lieut. J. H., U.S.A. |
| 1878 Voorhis, John R. | 1875 White, Charles Trumbull. |
| | 1875 Wilson, Gen. J. H. |
| 1854 Webb, Wm. H. | 1875 Wilcox, Franklin A. |
| 1854 Wetmore, Samuel. (L. F.) | 1875 Wilkes, George. |
| 1854 Witthaus, G. H. (L. F.) | 1875 Warner, Lewis T., M.D. |
| 1856 Warren, James K. | 1875 Windmuller, Louis. |
| 1856 Westermann, B. | 1875 White, David, C.E. |
| 1859 ₂ Ward, George Cabot. (L. F.) | 1875 Winslow, Gen. Edward F. |
| 1860 Winston, Frederick S. | 1875 Williams, Gen. George B. |
| 1866 Wendell, Jacob. | 1875 Waller, Prof. Elwyn. |
| 1868 White, Alexander M. | 1875 Whitehead, Com'r Wm., U.S.N. |
| 1869 Ward, Gen. Elijah. | 1875 White, Loomis L. |
| 1869 Weber, Leonard, M.D. | 1875 Whipple, Lieut. C. W., U.S.A. |
| 1870 Webster, Sidney. | 1875 Wissmann, J. F. |
| 1870 Wilson, Gen. Jas. Grant. (L. F.) | 1876 Ward, Roswell B. |
| 1870 Wright, E. Kellogg. | 1876 Walker, Evan T. |
| 1870 Weston, Theodore, C.E. | 1876 Wedemeyer, A. J. D. |
| 1870 Ward, T. W. | 1876 Wrigley, Henry E., C.E. |
| 1872 Wetmore, Wm. Boerum. (L.F.) | 1877 Ward, W. S. |
| 1872 Williams, Stephen C. (L. F.) | 1877 Waters, James T. |
| 1872 Wells, Jacob. | 1877 Woodruff, Col. D., U.S.A. |
| 1873 Weeks, John A. | 1878 Whitehead, Henry M. |
| 1873 Weiner, Joseph, M.D. (L. F.) | 1878 Witherbee, S. H. |
| 1873 Worthier, Wm. E., C.E. | 1878 Wells, John W. |
| 1874 Webb, Gen. Alexander S. | 1878 Wood, Isaac F. |
| 1874 Weyman, Charles S. | 1878 Wakeman, W. W. |

1878 Watson, William.
 1878 Whittemore, Charles.
 1878 Whittemore, Thomas W.

1871 Youngs, Henry I.

1874 Young, Mason.
 1875 Yoshidi, Kiyonari.

1874 Zachos, Prof. J. C.
 1875 Zollikoffer, Oscar.

FELLOWS DECEASED, 1878.

Date of Election.

1853 Joseph W. Alsop.
 1874 George S. Appleton.
 1876 William M. Allen.
 1869 William Bloomfield.
 1876 George W. Blunt.
 1870 Sidney Brooks.
 1874 William Cullen Bryant.
 1856 Robert Carter.
 1874 Ernest Caylus.
 1868 Evert A. Duyckinck.
 1876 Admiral C. H. Davis, U.S. Navy.
 1874 William M. Gabb.
 1876 Eben Goodwin.
 1868* Townsend Harris.
 1868 Prof. Ch. Fred. Hartt.

Date of Election.

1874 John H. Harbeck.
 1852 A. C. Kingsland.
 1874 Charles A. Longstreet.
 1874 John K. Myers.
 1856 William Niblo.
 1874 William Orton.
 1859* James Punnett.
 1874 Oliver H. Perry.
 1877 Edmond R. Peaslee, M.D.
 1868 William C. Rhineland.
 1874 Augustus L. Richards.
 1861* George Suckley.
 1874 John F. Tracy.
 1874 William Watson.

* Life Fellows.

List of Foreign and Domestic Geographical and other Scientific Bodies with whom this Society is in communication and constant exchange of publications :

Academia Real das Sciences, Lisbon, Portugal.
Academy of Natural Sciences, Philadelphia, Pa.
Academy of Natural Sciences, Davenport, Iowa.
Academy of Sciences, St. Louis, Mo.
Academy of Natural Sciences, Minneapolis, Minn.
American Antiquarian Society, Worcester, Mass.
American Naturalist, Salem, Mass.
American Social Science Association, Detroit, Mich.
Bibliotheca National, Rio Janeiro, Brazil.
Boston Society of Natural Sciences, Mass.
Bureau of Education, Washington, D. C.
Caucasian Geographical Society, Tiflis, Russia.
Central Bureau of Statistics, Stockholm, Sweden.
Circolo Geografico Italiano, Turin, Italy.
Commissão Central Permanente de Geographia, Lisbon, Portugal.
Cornwall Library, Cornwall-on-the-Hudson, N. Y.
Cosmos-Guido Coro, Turin, Italy.
Essex Institute, Salem, Mass.
Etablissement Geographique de Bruxelles, Belgium.
Ferdinandum in Innsbruck, Austria.
Geographical Society, Lyons, France.
Geographical Society, Rio Janeiro, Brazil.
Geographical Society, Hamburg, Germany.
Geographical Society, Amsterdam, Holland.
Geographical Society, Marseilles, France.
Geographical Society, Munich.
Geographical Society, Dresden, Germany.
Geographical Society, Hermannstadt, Austria.
Geographical Society, Copenhagen, Denmark.
Geographical Society, Bremen, Germany.
Geographical Society, Madrid, Spain.
Geographical Society, Weimar, Germany.
Geographical Society, Bombay, India.
Geographical Society, Quebec, Canada.
Geographical Society, Metz, Germany.
Geographische Anstalt, Gotha, Germany.
Geological Society, Edinburgh, Scotland.
Geological Survey, Montreal, Canada.
Gesellschaft für Erdkunde zu Berlin, Germany.

- Gewerbeschule, Bistritz, Austria.
 Historical Society, Iowa City, Iowa.
 Historical Society, Madison, Wis.
 Hungarian Academy of Sciences, Pesth, Hungary.
 Hydrographic Office, London.
 Imperial Russian Geographical Society, St. Petersburg.
 Imperial Royal Academy of Sciences, Vienna.
 Imperial Geographical Society, Vienna.
 Instituto Historio Geografico del Rio de la Plata, Buenos Aires, S. A.
 Kais. Königl. Geologische Reichsanstalt, Vienna.
 Königl. Gesellschaft der Wissenschaften, Gottingen, Germany.
 König-Sächs. Gesellschaft der Wissenschaften, Leipzig, Germany.
 L'Exploration, Paris.
 Library of Congress, Washington, D. C.
 Library Department of State, Washington, D. C.
 Literary and Philosophical Society, Liverpool.
 Literary and Philosophical Society, Manchester, England.
 Literary and Historical Society of Quebec, Canada.
 Melbourne Observatory, Melbourne, Australia.
 Ministère de l'Agriculture, de l'Industrie et du Commerce, Rome, Italy.
 Museo Nacional de Mexico, Mexico.
 Mexican Geographical and Statistical Society, Mexico.
 Natural History and Philosophical Society, Belfast, Ireland.
 Nature, London.
 Naval Institute, Annapolis, Md.
 Naturforschende Gesellschaft, Emden, Germany.
 N. Y. State Museum of Natural History, Albany.
 N. Y. State Library, Albany.
 New York Academy of Sciences, New York.
 Philosophical Society, Wellington, New Zealand.
 Polymathic Society, Vannes, France.
 Pulkowa Observatory, Pulkowa, Russia.
 Real Academia Espanola Arqueologica y Geografica, Madrid, Spain.
 Revue Maritime et Coloniale, Paris.
 Revue de Geographie, Paris.
 Revue Geographique, 37 Rue Scheffer, Paris.
 Roumanian Geographical Society, Bucharest.
 Royal Geological Society, Dublin, Ireland.
 Royal Society of Victoria, Melbourne, Australia.
 Royal Danish Academy of Sciences, Copenhagen, Deumark.
 Royal Geographical Society, London.
 Royal Academy of Sciences, Munich, Germany.
 Royal Society of Sciences, Upsala, Sweden.
 Royal Prussian Statistical Bureau, Berlin.
 Royal University, Christiania, Norway.

- Royal Society, London.
Royal Cornwall Polytechnic Society, Cornwall, England.
Royal Academy of Sciences, Brussels, Belgium.
Royal Institute for Philology, Geography and Ethnography of Dutch India,
The Hague, Holland.
Royal Dutch Meteorological Institution, Utrecht, Holland.
Royal Hungarian University, Pesth, Hungary.
Royal Asiatic Society, London.
Section of the Imperial Russian Geographical Society, Orenburg.
Smithsonian Institution, Washington, D. C.
Sociedade de Geographia, Lisbon, Portugal.
Société de Geographie, Geneva, Switzerland.
Société Belge de Geographie, Antwerp, Belgium.
Società Geografica Italiana, Rome.
Société de Geographie, Paris.
Société Belge de Geographie, Brussels, Belgium.
Société des Sciences Naturelles, Cherbourg, France.
Société de Geographie Commerciale, Bordeaux, France.
Société Normande de Geographie, Rouen, France.
Société de Geographie de Montpellier, France.
Society of Natural Sciences, Buffalo, N. Y.
Statistical Society, London.
Statistische Amt des Deutschen Reichs, Berlin.
The Academy, London.
The Asiatic Society, Yokohama, Japan.
The Japan Gazette, Yokohama, Japan.
The Poughkeepsie Society of Natural Science, Poughkeepsie, N. Y.
United States Coast Survey, Washington, D. C.
Verein für Erdkunde, Darmstadt.
Verein für Geographie und Naturwissenschaften, Kiel, Germany.
Verein von Freunden der Erdkunde, Leipzig, Germany.
Victoria Institute, or Philosophical Society of Great Britain, London.

ADDITIONS TO LIBRARY AND MAP-ROOMS OF THE
SOCIETY DURING THE YEAR 1878.

PURCHASES.

Travels through Holland, Germany, &c., by M. de Blainville, London, 1767 ; Central Traveller, by H. S. Tanner, N. Y., 1844 ; Excursions in Normandy, by F. Shoberl, London, 1841 ; Algeria in 1845, by Count St. Marie, London, 1846 ; The Howadji in Syria, by G. W. Curtis, N. Y., 1852 ; Land and Sea, by Rev. W. Colton, N. Y., 1851 ; Catlin's Notes in Europe, N. Y., 1848 ; Boat Life in Egypt, by W. C. Prime, N. Y., 1857 ; Panama in 1855, by Rob. Tomes, N. Y., 1855 ; St. Helena and the Cape of Good Hope, by Jas. McG. Bertram, N. Y., 1852 ; Cooksland, by J. D. Lang, London, 1847 ; Lithgow's Travels in Europe, Asia, &c., Edinburgh, 1632 ; Land, Labor, and Gain, by Wm. Howitt, Boston, 1855 ; Greater Britain, by Chas. W. Dilke, Phila., 1867 ; Central Route to the Pacific, by G. H. Heap, Phila., 1854 ; The States of Barbary, by Wm. Janson, London, 1816 ; Wanderings in Corsica, by Ferd. Gregorovius, Edinburgh, 1855 ; Madeira, by Robt. White, London, 1851 ; A Residence in China, by David Abeel, N. Y., 1834 ; The Chinese Revolution, by Chas. Macfarlane, London, 1863 ; North Coast of Africa, by G. L. Ditson, N. Y., 1860 ; The Polar Regions, by W. J. Snelling, Boston, 1831 ; History of the Sandwich Islands, by J. J. Jarvis, Boston, 1844 ; Emancipation in the West Indies, by Jas. A. Thome, N. Y., 1838 ; A Winter at Schloss Hainfeld, by Capt. Basil Hall, Phila., 1836 ; A Pilgrimage to Egypt, by J. V. C. Smith, Boston, 1852 ; Pictures from Sicily, by W. H. Bartlett, London, 1869 ; The Old World and the New, by Rev. Orville Dewey, N. Y., 1836 ; The Captive in Patagonia, by B. F. Bourne, Boston, 1853 ; Papers from Over the Water, by Sinclair Tousey, N. Y., 1869 ; A Journey to Katmandu, by Lawrence Oliphant, London, 1852 ; History of the Sandwich Islands, by Rev. S. Dibble, N. Y., 1839 ; Journal of Travels, by Benj. Silliman, N. Y., 1822 ;

Journey Across the Balkan, by Hon. Geo. Keppel, London, 1831 ; Adventures of R. Drury in Madagascar, London, 1807 ; The Scotch Gaël, by Jas. Logan, Hartford, 1851 ; The Central Gold Region, by Wm. Gilpin, Phila., 1866 ; A Winter in Egypt, by H. C. Potter, 1877 ; Shetland, by C. Sinclair, N. Y., 1840 ; Observations in Europe, by J. C. Durbin, N. Y., 1855 ; South Eastern Africa, by Chas. Hamilton, London, 1870 ; Montenegro, by Count Krasinski, London, 1853 ; St. Petersburg, by Ed. Jerrman, London, 1855 ; Village Life in Egypt, by Bayle St. John, Boston, 1853 ; A Visit to Europe, by Benj. Silliman, Boston, 1856 ; The American in England, by A. Slidell Mackenzie, N. Y., 1847 ; Narrative of a Mission to Ceylon and India, by W. M. Harvard, London, 1823 ; Tour through Armenia, &c., by Rev. H. Southgate, N. Y., 1840 ; The Normans in Sicily, by H. G. Knight, London, 1838 ; Venice, by E. Flagg, N. Y., 1853 ; The Mutineers of the "Bounty," by Lady Belcher, London, 1871 ; Letters of a Traveler, by Wm. C. Bryant, N. Y., 1859 ; The American in Paris, by John Sanderson, Philadelphia, 1847 ; A Year in China, by Mrs. H. Dwight Williams, N. Y., 1864 ; Diary in Turkish and Greek Waters, by the Earl of Carlisle, London, 1864 ; History of American Missions, Worcester, 1840 ; A Tour of Observations, by James Munroe, Philadelphia, 1818 ; Pictures of St. Petersburg, by Henry Storch, London, 1801 ; The Ottoman Empire, by Henry Michelsen, London, 1853 ; Travels in China, by John Barrow, Philadelphia, 1803 ; Polynesia, by the Right Rev. M. Russell, Edinburgh, 1843 ; A Tour in Crête, by Ed. Postlethwaite, London, 1868 ; Travels in Sicily and Malta, by F. Brydone, Aberdeen, 1848 ; Journal of the Late Embassy to China, by H. Ellis, Philadelphia, 1818 ; The English Woman in Russia, London, 1855 ; Sir John Franklin and the Arctic Regions, by B. L. Simmonds, Buffalo, 1852 ; Dakoitee in Excelsis, or the Spoliation of Oude, London, n. d. ; Travels in Malta and Sicily, by A. Bigelow, Boston, 1838 ; Letters from Europe, by John W. Ferney, Philadelphia, n. d. ; The American Merchant in Europe, Asia, &c., by G. F. Train, N. Y., 1857 ; Notes of a Traveler, by Samuel Laing, Philadelphia, 1846 ; The History of Victoria, by the Hon. Thomas McCombie, Melbourne, 1858 ; Mount Lebanon, by Colonel Churchill, London, 1853 ; The Nestorians, by Ashael Grant, London, 1841 ; Africa, by A. G. Forbes, London, 1874 ; Travels in Russia, by

Chantreau, Perth, 1794 ; Nordurfari, by Pliny Miles, N. Y., 1854 ; Journey to Iceland, by Ida Pfeiffer, N. Y., 1852 ; Africa, by A. H. Foote, N. Y., 1854 : Tales of a Voyager to the Arctic Ocean, Philadelphia, 1827 ; The City of the Sultan, by Miss Pardo, Philadelphia, 1837 ; The Passage of Hannibal over the Alps, by H. L. Wickham and J. L. Cramer, London, 1828 ; South Australia, by Francis Dutton, London, 1846 ; The Russian Empire, by Wm. Tooke, London, 1799 ; Journal of a Tour in Germany, &c., by J. T. James, London, 1816 ; History of the French Dominions in America, by Thomas Jeffreys, London, 1676 ; St. Petersburg, by A. B. Granville, London, 1828 ; History of Jamaica, by E. Long, London, 1774 ; Travels in Greece; Topography of Athens; On Some Disputed Questions of Ancient Geography, by W. M. Leake, London, 1835-57 ; Travels through Cyprus, by the Abbé Mariti, n. d. ; Naufage de la Meduse, par Corréara et Savigny, Paris, 1828 ; Letters on Iceland, by Uno von Troil, London, 1780 ; Upper Egypt, by C. B. Klunzinger, London, 1878 ; Ceylon, by an Officer, London, 1876 ; Minnesota, by Lawrence Oliphant, London, 1855 ; Life in Brazil, by Thomas Ewbank, London, 1856 ; Life in Mauritius, by Charles Grant, Viscount de Vaux, London, 1801 ; Travels in Northern Africa, by Captain Lyon, London, 1821 ; A Description of the East, by R. Pococke, London, 1743 ; Johann Jacob Saar's Kriegsdienste, Nüenberg, 1672 ; Account of Hudson Bay, by J. Robson, London, 1752 ; Ruined Cities within Carthaginian Territories, by N. Davis, London, 1862 ; Travels in Russia, by Captain Wilbraham, London, 1839 ; Embassy to China, by John Nieuhoff, London, 1659 ; A Statistical Account of Bengal, by W. W. Hunter, London, 1876 ; An Account of the Polynesian Race, by A. Fornander, London, 1878 ; Danish Greenland, by Dr. H. Rrink ; Civilized America, by T. C. Grattan, London, 1859 ; History of the Gipsies, by W. Simson, N. Y., 1866 ; Life of Dr. Kane, by S. M. Smucker, Philadelphia, 1859 ; Greece, by A. R. Rangabé, N. Y., 1867 ; Life of Colonel J. C. Fremont, by S. M. Smucker, Philadelphia, 1856 ; Travels in Peru, by E. Temple, Philadelphia, 1833 ; British Guiana, by John Hancock, London, 1840 ; The American in Iceland, by Samuel Kneeland, Boston, 1862 ; Voyage en Arabie, par M. Tamisier, Paris, 1811 ; Manners and Customs of the Ancient Egyptians, by Sir G. Wilkinson, London, 1847 ; Travels in Chaldea,

by W. K. Loftus, N. Y., 1857 ; Greenland, by B. O'Reilly, London, 1818 ; Voyage to the Cape of Good Hope, London, 1786 ; Itinéraire du Fleuve Hudson, par J. Milbert, Paris, 1828 ; Collection of Voyages in the 15th and 16th Century, London, 1789 ; Collections of Voyages, &c., compiled from the Earl of Oxford's Library, London, 1745 ; Journey through Ireland, by H. D. Inglis, London, 1835 ; Carey's American Pocket Atlas, Phila., 1805 ; Colombia, by Col. Francis Hall, London, 1827 ; Voyage of H.M.S. *Alceste* to China, by John McLeod, London, 1819 ; History of the Caribby Islands, by John Davis, London, 1666 ; China and the United States, by Wm. Spier, Hartford, 1870 ; Abstract of a Journal of E. Bacon, Philadelphia, 1821 ; Narrative of a Voyage to Maryland, by Father Andrew White, Baltimore, 1874 ; Travels in India, by Leopold von Orlich, London, 1843 ; Doings in China, by Lieut. A. Murray, London, 1843 ; To Cuba and Back, by Richard H. Dana, Jr., Boston, 1864 ; History of Chili, by J. Ignatius Molina, Middletown, 1808 ; Journal of Two Expeditions in Australia, by George Grey, London, 1841 ; History of the Azores, London, 1813 ; Directions for Sailing to the East Indies, by James Horsburgh, London, 1811 ; Residence in Ashantee, by Jos Dupuis, London, 1811 ; Laws Relating to India and the East India Company, London, 1840 ; Observations in the United States and Canada, by Rev. Isaac Fidler, N. Y., 1833 ; Campaigns and Cruisers in Venezuela and New Granada, London, 1831 ; Manual of Geology, by Jas. D. Dana, Philadelphia, 1863 ; Geography for Beginners, by J. K. Stewart, Richmond, Va., 1864 ; Topography of Rome and its Vicinity, by Sir W. Gill, London, 1846 ; Tour to Quebec, by Benj. Silliman, New Haven, 1860 ; the River Plate, by W. Latham, London, 1868 ; Colonization on the West Coast of Africa, by A. Alexander, Philadelphia, 1864 ; Exploration of the Red River of Louisiana, by R. B. Marcy and George B. McClellan, Washington, 1853 ; Excursion through the United States and Canada, by an English Gentleman, London, 1824 ; Travels in Africa, by Francis Moore, London, n. d. ; Travels in the United States and Canada, by Lieut. Francis Hall, Boston, 1813 ; Notes of a Naturalist in the Nile Valley and Malta, by A. L. Adams, Edinburgh, 1870 ; Travels through Switzerland, Italy, &c., by Thomas Watkins, 1792 ; Researches Respecting Americus Vespucius, by the Viscount Santarem, Boston, 1850 ; His-

torical Collections of Louisiana, by B. F. French, N. Y., 1875; Travels and Adventures, by James Massey, London, 1743; Letter of Columbus to Louis de Santangel, n. d.; Narrative of the Indian War, London, 1794; Journey to China, by C. Abel, London, 1819; Voyage to the North Pacific Ocean, by W. R. Broughton, London, 1804; Natural History of Aleppo, by A. Russell, London, 1756; Constantinople, by Jas. Dallaway, London, 1797; Travels in Europe, &c., by Evliya Effendi, London, 1834; A Voyage from England to India, by Ed. Ives, London, 1773; Journal of Hugh Finlay, Brooklyn, 1864; Views of Egypt, London, 1801; Account of the British Trade over the Caspian Sea, London, 1753; History of Philip I. and III., by Rob. Watson, London, 1788; Life of Sir Walter Raleigh, London, 1687; A True Discourse of the Present State of Virginia, by R. Hamor, London, 1615 (reprint); History of the Voyages made in the North, by J. R. Forster, London, 1786; Travels among the Arab Tribes, by J. S. Buckingham, London, 1825; Travels in Turkey, by W. Wittman, London, 1803; Travels in Dalmatia, by A. Fortis, London, 1778; Travels in Mesopotamia, by J. S. Buckingham, London, 1827; Description de l'Egypte, par M. de Maillet, Paris, 1735; Sandy's Travels in the Turkish Empire, London, 1673; Travels in Africa, by W. J. Browne, London, 1799; Voyage round the Mediterranean, by the Earl of Sandwich, London, 1807; Voyages and Travels, by John Galt, London, 1812; British Expedition to Egypt, by R. T. Wilson, London, 1803; Travels through Germany, &c., by Alex. Drummond, London, 1754; Governor Phillip's Voyage to Botany Bay, London, 1789; Remarks on the Voyage of John Mears, by Geo. Dixon, London, 1790; A Voyage to South America, by Sir Geo. M. Keith, London, 1819; Progress of Maritime Discovery, by Jas. S. Clarke, London, 1803; De Zeden der Wilden van America, door J. F. Lafiteau, S'Gravenhage, 1731; Journey to Siberia, by L'Abbé Chappe d'Auteroche, London, 1770; Voyages of Capt. G. Rogers, London, 1726; Peleponnesiaca, by Geo. M. Leake, London, 1846; Amerigo Vespucci, &c., par F. A. de Varnhagen, Lima, 1868; A Briefe and True Report of Virginia, by Tho. Hariot Francoforti, 1590 (reprint); Indian Sketches, by J. T. Irving, Jr., n. d.; Travels in Portugal, by John Latouche, London, n. d.; Cruise of the *Rosario*, by A. H. Markham, London, 1873; Travels West, by Wm. Minturn,

London, 1877; *The System of the World*, by P. S. La Place, London, 1809; *The Races of Man*, by Oscar Peschel, N. Y., 1876; *Wild Sports in South Africa*, by Capt. W. C. Harris, London, 1852; *El Marañon y Amazonas*, par Manuel Rodriguez, Madrid, 1634; *Narrative of the United States Exploring Expedition in 1838-42*, by Chas. Wilkes, Philadelphia, 1845; *Mammalogy and Ornithology*, by John Cassin, Philadelphia, 1858; *Surveying Voyage of H.M.S. Fly*, by J. B. Jukes, London, 1847; *The Land of Desolation*, by Dr. I. I. Hayes, N. Y., 1872; *Memoirs of Sir W. E. Perry*, by Rev. E. Perry, London, 1857; *Rough Notes*, by Capt. F. B. Head, London, 1828; *Missionary Travels in South Africa*, by David Livingstone, London, 1858; *Cuzco and Lima*, by C. R. Markham, London, 1856; *Across America and Asia*, by Prof. R. Pumpelly, N. Y., 1870; *Lectures on Ancient Ethnography and Geography*, by B. G. Niebuhr, London, 1853; *The Mediterranean*, by Admiral Smyth, London, 1854; *Iceland*, by E. Henderson, London, 1819; *Sketches of Buenos Ayres, &c.*, by Saml. Haigh, London, 1831; *Travels of the Jesuits*, by Mr. Lockman, London, 1743; *Three Voyages into Eastern Australia*, by Major Mitchell, London, 1838; *Travels through Russia*, by Robt. Johnston, London, 1815; *Voyage to the Malouine Islands*, by Dom Pernety, London, 1773; *The Highlands of Ethiopia*, by Capt. Harris, London, 1844; *A Residence in Greece and Turkey*, by Fr. Harvey, London, 1837; *History of the Conquest of Peru*; *History of Philip II.*; *History of Ferdinand and Isabella*, by W. H. Prescott, N. Y., 1837-55; *Tour in England, &c.*, by Prince Pückler Muskau, Philadelphia, 1833; *The Naturalist in Vancouver Island*, by John K. Lord, London, 1866; *The Red River Colony*, by John West, London, 1824; *The Giant Cities of Bashan*, by Rev. J. L. Porter, N. Y., 1867; *Historical Account of the Empire of Hayiti*, by Marcus Rainsford, London, 1805; *Mycenae*, by Dr. H. Schliemann, N. Y., 1878; *Cyprus*, by General L. P. di Cesnola, N. Y., 1878; *Travels in Egypt*, by H. Light, London, 1818; *Memoirs Relating to Turkey*, by Robt. Walpole, London, 1818; *Travels in Germany, &c.*, by A. Neale, London, 1818; *Natural History of Nevis*, by the Rev. Mr. Smith, London, 1745; *Natural History of the Strait of Magellan*, by R. O. Cunningham, London, 1871; *Atlas of the Society for Promoting Useful Knowledge*, London, 1844; *The American Atlas*, N. Y., 1796; *Historical Geography of the Clans*

of Scotland, by T. B. Johnston, Edinburgh, 1872; Travels in Turkey and Greece, by F. Pouqueville, London, 1820; The Native Races of the Indian Archipelago, by G. W. Earl, London, 1853; China, by W. H. Medhurst, Boston, 1838; Sandwich Island Notes, by A. Häöle, N. Y., 1854; Life and Letters of B. G. Niebuhr, by the Chevalier Bunsen, N. Y., 1852; The Modern Gazetteer, by Mr. Salmon, Dublin, 1757; The Diamond Fields of South Africa, N. Y., 1872; A View of the United States, by Tench Coxe, Dublin, 1795; Voyages, etc., des Portugais, par H. Dujarday, Paris, 1839; Narrative of Capt. D. Woodward, London, 1804; The Resources of the City of New York, N. Y., 1827; Voyage dans les Alpes, par M. de Saussure, Neufchatel, 1779; Dijon, par C. M. de Chambure, Dijon, 1870; The Marvellous Country, or Three Years in Arizona, Boston, 1876; History of Kansas, by J. N. Holloway, Lafayette, Ind., 1868; Narrative of a Voyage Round the World, by Sir Edw. Belcher, London, 1843; America and the American People, by Fr. von Raumer, N. Y., 1844; Avisi Particolari dall' Indie, Venice, 1558; Narrative of the Discovery of Sir John Franklin, by F. L. McClintock, London, 1859; A Short Visit to the Ionian Islands, by Ed. Giffard, London, 1837; Murray's Handbook for Travellers in the Ionian Islands, &c., London, 1840; Report of the United States Commissioners of Fisheries, by S. F. Baird, Washington, 1873-74; A View of the World, by Rev. E. Bloomfield, Bungay, 1804; Voyages dans les Pays entre la Mer Noire et la Mer Caspienne, Paris, 1798; Travels in China, by Sir John Barrow, London, 1806; Travels into the Interior of South Africa, by Sir John Barrow, London, 1806; A Historical Account of the Island of San Domingo, by Bryan Edwards, London, 1797; A Political Survey of Great Britain, by John Campbell, London, 1774; Account of the Countries adjoining Hudson Bay, by Arthur Dobbs, London, 1774; Journal of Several Expeditions in West Australia, by Sir Jas. Stirling, London, 1833; The Great Cities of the Ancient World; The Great Cities of the Middle Ages, by T. A. Buckley, London, 1852; Travels through Switzerland, Italy, &c., by Thos. Watkins, London, 1792; The Theatre of the Present War, London, 1792; Military Map of Italy, by Lieut. Ives, U.S.A., N. Y., 1859; Voyages, Relations, &c., pour Servir à l'Histoire de la Découverte de l'Amerique, par H. Ternaux-Compans, Paris, 1837-41; Hakluyt Society Publications

for 1877, London, 1878; Administrations de la Commune de Paris, Paris, 1868; Dictionnaire de Géographie Ancienne et Moderne, par un Bibliophile, Paris, 1870; The Sea Kings of the Mediterranean, by Rev. G. F. Townsend, London, 1862; Die Literatur der Polar Regionen von Jos. Chavannes, Wien, 1878; Cairo, &c., by J. G. Kinnear, London, 1841; Recherches sur la Géographie des Anciens, par M. Gosselin, Paris, 1797-1813; L'Afrique Centrale, par Emile de Lavellye, Paris, 1878; Abhandlungen über Erd. und Völkerkunde von Oscar Peschel, Leipzig, 1878; Map of Yucatan, by Hübbe, Perez and Berndt, N. Y., 1878; Through the Dark Continent, by H. M. Stanley, London, 1878; Die Vereinigten Staten von Nord Amerika, von F. Ratzel, München, 1878; The Great Frozen Sea, by Capt. A. H. Markham, London, 1878.

GIFTS.

Parliamentary Companion of Canada, 1875, Ottawa, 1875; Resources of Ottawa District, 1876; Guide to Manufactures of Ontario and Quebec, 1870; Canada's Invitation to H.R.H. the Prince of Wales, by J. G. Morris; Canadian Official Reports, 12 Nos., 1870-75; Facts about New Brunswick, by S. Watts, 1870; Lacroix's Canadian Guide, 1876; Emigration to Canada, 1875; The Province of Nova Scotia, 1875; The Grand Water Highways of Canada, 1874; Canadian Year Books, v. d.; Canadian Almanac, 1875; Clerical Guide to Canada, 1877; Reports of the Government of Canada: *a*, State of Militia; *b*, Ministry of Agriculture; *c*, Ministry of Public Works; *d*, Marine and Fisheries, Ottawa, 1878; The Province of Quebec and European Emigration, Quebec, 1870; Map of the Northwest Territory, Toronto, 1875.

Henry J. Morgan, Esq., Ottawa.

Map of Niagara Falls, by Gen. C. B. Comstock, U. S. Army.

The Author.

The Mikado's Empire, by W. E. Griffis, N. Y., 1878. *The Author.*

The Vision of Columbus, by Joel Barlow, Hartford, 1787; Mineral Resources of the States and Territories West of the Rocky Mountains, by R. W. Raymond, Washington, 1869; Laws of the State of New York, N. Y., 1789. *J. S. Woodward, Esq., N. Y.*

Report of the Chief of Engineers for 1877, Washington, 1878;

Map of the Battlefield of Gettysburg, 1876; U. S. Geological Exploration of the 40th Parallel, Vols. I., II., IV., Washington, 1878; Geological and Topographical Atlas accompanying the Report of the Survey of the 40th Parallel, by Clarence King, Washington, 1878; Report of the U. S. Survey of the 100th Meridian, by Lieut. Wheeler, Vol. II., 1878; Topographical and Military Maps of: Defenses of Knoxville; Operations before Atlanta; Battlefield of Chattanooga; Battlefield of Franklin; Marches of General Sherman; Atlanta Campaign, together 10 sheets; Topographical Maps accompanying Lieut. Wheeler's Report, 24 sheets; Annual Report upon Explorations in the Department of the Missouri, by Lieut. Ruffner, 1877.

Gen. A. A. Humphreys, Chief of Engineers, U. S. Army.

Circulars of Information by the Bureau of Education, Nos. 1-2, 1877; Contributions to the History of Medical Education in the U. S., by N. S. Davis, 1877; Report of the U. S. Surveys of the Territories, by Prof. Hayden, Vol. VIII.; Bulletin of the Same, Vol. IV., Nos. 1, 2, 3, 4; Miscellaneous Publications, Washington, 1878; Contributions to North American Ethnology, by Stephen Powers, Vol. III., Washington, 1873; U. S. Survey of the Rocky Mountains, by J. W. Powell, Vols. I. and III., 1877; U. S. Geological Survey of the 40th Parallel, by Clarence King, Vol. IV., 1878; Bulletin of the U. S. National Museum, Nos. 10-12; Geological and Topographical Atlas of Colorado, by Prof. F. V. Hayden, 1877; First Report of the U. S. Entomological Commission for 1877; Birds of the Colorado Valley, by Elliot Coues, Washington, 1878; Descriptive Catalogue of Photographs of North American Indians, by W. H. Jackson; Bibliography of North American Palaeontology, by C. A. White and A. Nicholson, 1878.

Department of the Interior, Washington.

Topographical Atlas of the States and Territories of the United States, published by the Land Office, Washington, 1876; Seventh, Eighth and Ninth Report upon the Improvement of the South Pass of the Mississippi River, by Capt. M. R. Brown, 1877; Are the Indians dying out? published by the Bureau of Education, Washington, 1877; Report of the U. S. Geographical Surveys West of the 100th Meridian, by Lieut. G. M. Wheeler, Vol. IV., Washington, 1877; U. S. Geolo-

gical Exploration of the 40th Parallel, by Clarence King, Vol. II., Washington, 1877; General Report on the Province of Kordofan, by Major H. G. Prout, Cairo, 1877; Reports of Inspection made by Generals Sheridan and Sherman of the Country North of the Union Pacific R. R.; Letters from the Secretary of War, 12 numbers, v. d.; U. S. Geological Survey of the 40th Parallel, by Clarence King, Vol. IV., Washington, 1877; Atlas accompanying the same, 1877; Report on the Seizure by the Abyssinians of the Geological Expedition attached to the Egyptian Army, by L. H. Mitchell, Cairo, 1878; Report of the Geological Survey of the 40th Parallel, Clarence King, Vol. I., Washington, 1878; U. S. Geological Survey West of the 100th Meridian, Lieut. G. M. Wheeler, Vol. III., Washington, 1877; Annual Report upon the Improvements of the Mississippi River, by Capt. M. R. Brown, Washington, 1878; On the Use of the Barometer, by Lieut.-Col. J. Williamson, Washington, 1878; Reclamation of the Alluvial Basin of the Mississippi River, by Prof. E. W. Hilgard and Dr. F. V. Hopkins, Washington, 1878; Letters from the Secretary of War concerning the Surveys conducted by the Engineer Corps, v. d. *Genl. G. W. Cullum.*

Twenty-first Annual Report of the Maine Board of Agriculture for 1876. *The Secretary.*

Transactions and Proceedings of the New Zealand Institute, Vol. IX., Parts 1, 2, 1876. *The Institute.*

A Complete System of Geography, by Emanuel Bowen, London, 1747; Joannis Czeverrii Historiarum Totius Mundi Epitome, Lugduni Batavorum, 1649; In Memoriam, W. Hickling de Costa, Charlestown, 1878. *Rev. B. F. de Costa.*

Papers relating to the Foreign Relations of the United States in 1877, with Appendix, Washington, 1878.

Department of State, Washington.

Boletin de la Sociedad Geográfica de Madrid, Tom. III., Nos. 4-6; Tom. V., Nos. 1, 2. *The Society.*

Transactions, etc., of the Royal East Indian Institute of the Netherlands, The Hague, 1878. *The Institute.*

Oversigt, No. 2, 1877; Skifter, Vol. 5, No. 1, of the Royal Academy of Copenhagen, 1877. *The Academy.*

Transactions, Vol. IV.; Catalogue of the Library; Proceedings

1, 2, 4-7, 9, 11-16, 20, 32, 37, 42, 44, 46, 49-51, 71, of the American Antiquarian Society, Worcester, Mass., 1813-1878. *The Society.*

Bulletin, Vols. I., II., III., V.; Proceedings, Vols. I., V., VI.; Historical Collection, Vols. VI., VIII., IX.-XIV., Salem, 1864-77; Bulletin, Vol. X., Nos. 1-9, 1878. *The Institute.*

Jahrbuch, Vols. 27, 28, Nos. 1-3; Verhandlungen for 1877, Nos. 1-13, for 1878, of the Imperial Geological Institute, Vienna.

The Institute.

The Railways of New South Wales, by John Rae, Sydney, 1876; Journal and Proceedings of the Royal Society of New South Wales, Vol. X., 1877; Progress and Resources of New South Wales, by Charles Robinson; Climate of New South Wales, by H. C. Russell, 1877; Annual Report on the Mines of New South Wales for 1876, Sydney, 1876. *Royal Society of New South Wales.*

Journal, Vol. 40, Nos. 3 and 4; Vol. 41, Nos. 1-3; Vols. 30-33, 36, No. 1; Index to Vols. 16-25, of the Statistical Society, London.

The Society.

Proceedings of the Royal Society of England, Nos. 175-183.

The Society.

Der Wiedergewonnene Welttheil, von J. J. Sturz, Berlin, 1877.

The Author.

Bulletin de la Société de Géographie de Marseille, to date.

The Society.

Bulletin de la Société Belge de Géographie, to date. *The Society.*

Bulletin de la Société de Géographie de Roumanie, to date.

The Society.

Bulletin de l'Académie Impériale des Sciences de St. Petersburg, to date.

The Academy.

Mittheilungen der Geographischen Gesellschaft in Wien, to date.

The Society.

Mapa del Rio Putumayo ó Iça, por F. A. Bissan and Rafael Reyes, 1877. *Señor Manuel Peralto.*

Bulletin de la Société de Géographie Commerciale de Bordeaux, to date.

The Society.

Nova Acta Regiæ Societatis Upsulensis. Extra volume.

The Royal Society, Upsula.

Bulletin of the Minnesota Academy of Sciences for 1877.

The Academy.

Statistical Hand-Book of the City of Prague (in German and Czech) for 1876, Prague, 1877. *The Statistical Bureau.*

Annual Report of the Chief Signal Officer for 1877, Washington, 1878. *The Chief Signal Officer.*

Methods, Discussions and Results, published in the Office of the U. S. Coast Survey, Washington, 1877; Report of the Superintendent of the U. S. Coast Survey for 1875, Washington, 1878.

The Superintendent.

Magnetic Variation in the United States, by J. B. Stone, New York, 1878. *The Author.*

The Mayas; Dr. Le Plongeon in Yukatan, by S. Salisbury, Jr., Worcester, 1877. *The Author.*

Transactions of the Academy of Sciences of St. Louis, Vol III., No. 4, 1874. *The Academy.*

Zeitschrift und Verhandlungen der Gesellschaft für Erdkunde in Berlin, to date. *The Society.*

Viaggio nella Palestina et nell' Egitto, 1475-78, da Fra Alessandro Ariosto da Giovanni Ferraro, Ferrara, 1878. *The Author.*

Bulletin de la Société de Géographie de Lyon, to date.

The Society.

Canaux Inter-océaniques par l' Isthme de Darien par I. Pouchet et G. Santerau, Bourges, 1876. *The Authors.*

Proceedings of the Worcester Society of Antiquity to date.

The Society.

Bulletin de la Société de Géographie de Paris, to date.

The Society.

Deutsche Geographische Blaetter, to date.

Bremen Geographical Society.

Reports for 1858, 1875, 1876; Contributions to Knowledge, Vols. XX. and XXI., Washington, 1875-76, published by the Smithsonian Institution. *The Institution.*

The Argentine Republic, by R. Knapp, Buenos Aires, 1876.

The Author.

Journey Across the Western Interior of North Australia, by Col. P. E. Warburton, London, 1875; Explorations in Australia, by John Forrest, London, 1875. *Jess Young, Esq.*

Mittheilungen des Vereins für Erdkunde, Leipzig, to date.

The Society.

Statistik des Grossherzogthums Hessen Darmstadt für 1877.

The Statistical Bureau.

Bulletin de la Société de Géographie d'Anvers, to date.

The Society.

Publications of the Imperial Academy of Sciences, Vienna, to date.

The Academy.

Twentieth Report of the N. Y. Chamber of Commerce, 1878.

N. Y. Chamber of Commerce.

Publications of the U. S. Hydrographic Office, Washington, to date.

The Superintendent.

Publications of the Stockholm Statistical Bureau, to date.

The Director.

L'Année Géographique, 2nd Serie, Tome I., Paris, 1876.

C. Maunoir, Esq., Paris.

Publications of the Academy of Sciences, Göttingen, to date

The Academy.

Tableau Géographique de la distribution Ethnographique au Mexique, Nancy, 1878, par V. A. Malte-Brun ; L'Expédition Polaire Anglaise, par V. A. Malte-Brun, Paris, 1876.

The Author.

The Birthplaces of the People, by E. G. Ravenstein, London, 1876.

The Author.

Mittheilungen der Geographischen Gesellschaft in Hamburg, to date.

The Society.

Appendix to Lowndes' Bibliographer's Manual, London, 1864.

Chief Justice Daly.

Report of the Seizure by the Abyssinians of the Geological Expedition attached to the Egyptian Army, by L. H. Mitchell, Cairo, 1878 ; General Report of the Province of Kordofan, by Major H. G. Prout, Cairo, 1877.

Gen. C. P. Stone, Cairo.

Boletim da Sociedade de Geographia de Lisboa, to date.

The Society.

Mémoire sur la Température de l'air à Bruxelles, 1832-72 ; Les Perseides en 1874 ; Quelques nombres caractéristiques relatifs à la Température de Bruxelles, 1876, par E. Quetelet, Bruxelles, 1876.

The Author.

Zeitschrift des Königl. Statistischen Bureaus in Berlin, to date.

Dr. Engel.

Proceedings of the Literary and Philosophical Society, Liverpool,
Vol. 31, 1877. *The Author.*

Proceedings of the Russian Geographical Society, to date.
The Society.

Proceedings of the Davenport Academy of Natural Sciences, Vol.
II., 1877. *The Society.*

Proceedings of the Geographical Society of Dresden, to date.
The Society.

Le Globe, to date. *Geographical Soc., Geneva.*

Memoires, etc., of the Royal Academy of Sciences of Copen-
hagen, to date. *The Academy.*

Zeitschrift des Ferdinandeums zu Innsbruck, to date.
The Society.

Etude de Géographie Celtique par A. G. Jomard, Vannes, 1876;
Mines and General Statistics of New South Wales, Sydney, 1876 ;
Mineral Map of New South Wales, Sydney, 1875 ; Geological
Map of Hartley, Bowanfels, Wallerawang and Rydall, New South
Wales, Sydney, 1875. *Prof. W. Wright Hawkes.*

Ueber die Verticalzone der Menschlichen Ansiedelungen, von C.
H. Seltmann, Annaberg, 1878. *The Author.*

Proceedings of the Academy of Natural Sciences, Philadelphia, to
date. *The Academy.*

Statistical Publications of the Ministry of the Interior, Rome, to
date. *The Minister of the Interior.*

Proceedings and Journals of the Royal Geographical Society,
London, to date. *The Society.*

Bulletin No. 5, de la Société Khédiviale de Géographie, 1878.
The Society.

Our National Flag, by Maj.-Gen. Schuyler Hamilton, N. Y. 1877.
The Author.

Railroad, Telegraph and Postal Statistics of Bavaria, Hesse-
Darmstadt, Bremen and Hamburg for the year 1877.

The Consul-General of Germany in New York.

Nuevos Elementos de la Geografia et Historia de Cuba, por
Jose M. de la Torre, Habana, 1874 ; Carte Topographique du Para-
guay, por le Colonel de Morgenstern ; Antigüedades Americanas, por
A. Bachiller y Morales, Habana, 1845 ; Informacion sobre Refor-

mas en Cuba y Puerto Rico, N. Y., 1876 ; Quaritsch's General Catalogue of Books, London, 1865. *N. Ponce de Leon, Esq.*

Spanish Dictionary by M. V. de la Cadena, N. Y., 1865 ; Congressional Globe, 90 vols., v. d. ; various Municipal Reports, v. d.

Marshall O. Roberts, Esq.

Portrait of Columbus after the original, by Parmigiano ; an Engraving of the same ; Voyage of the "Challenger," by Sir Wyville Thomson, 1878. *Jas. M. Bailey, Esq.*

Histoire de la Géographie par Vivien de St. Martin (with Atlas), Paris, 1875. *Francis A. Stout, Esq.*

Report of the Commissioners of Education for 1876, Washington, 1878. *The Commissioners.*

Transactions of the Asiatic Society of Japan for 1877, Yokahama, 1878. *The Society.*

Publications of the Royal Academy of Sciences, Lisbon, to date. *The Academy.*

Proceedings of the American Association for the Advancement of Science, Vol. 26, Salem, 1878.

Prof. F. W. Putnam, Salem, Mass.

Second Annual Report of the Survey of the State of New York, by Jas. T. Gardner. Albany, 1878. *The Author.*

Bulletin of the Geographical Society of Montpellier, No. I., 1878. *The Society.*

Journal of the Cincinnati Society of Natural History, Vol. I. *The Society.*

Mittheilungen der Anthropologischen Gesellschaft in Wien, Vol. VIII. *The Society.*

Vortrag über den Mexicanischen Calender Stein, von Prof. Valentini, N. Y., 1878. *The Author.*

Proceedings, Journals, &c., of the Royal Academy, Munich, to date. *The Academy.*

Proceedings, Journals, &c., of the Imperial Geological Institute, Vienna, to date. *The Institute.*

Rapport sur la Mission des Chotts, par le Capitaine Roudaire, Paris, 1877. *The Author.*

Publications of the Geographical Society, Darmstadt, to date. *The Society.*

Memoire de la Société des Sciences Naturelles de Cherbourg, Vol. XX., 1876-77. *The Society.*

- Publications of the Royal Cornwall Polytechnic Society, to date.
The Society.
- Carte du Cours du Nil, Paris, n. d. *Alvan S. Southworth, Esq.*
- Nederlandsch Meteorologische Jaarboek voor 1875, Uetrecht,
1876. *Royal Observatory, Uetrecht.*
- Several Letters and MS. Charts relating to the Improvement of
the Mouth of the Mississippi River. *Chas. W. Rogers, Esq.*
- Facsimile reprints of four old Maps. *J. C. Brevoort, Esq.*
- Meteorological Charts of the North Pacific Ocean, Washington,
1878. Charts of: Owari Bay, Yamagawa Harbor, Guayamas Harbor,
Valparaiso Bay, Hongkong Harbor, Irish Channel, Gulf of Cali-
fornia, South Coast of Jamaica, Porto Refugio, Mediterranean Sea,
and adjacent waters. *U. S. Hydrographic Office.*
- Publications of the Royal Hungarian Academy of Arts and
Sciences, to date. *The Academy.*
- Post Route, Maps of: Maine, Pennsylvania, New Jersey, Dela-
ware, Maryland, District of Columbia, Ohio, Indiana, Illinois,
Iowa, Missouri, Alabama, Mississippi, Colorado.
W. L. Nicholson, Esq., Washington.
- Publications of the Geographical Society of Lisbon, to date.
The Society.
- Map of Battlegrounds of August 6, 1862, near Groveton, Va., by
General G. K. Warren and others. *Capt. J. A. Judson.*
- Publications of the Geographical Society, Halle, to date.
The Society.
- Rapport sommaire sur le Canal Interocéanique, par Lucien N. B.
Wyse, Paris, 1878. *The Author.*
- The American Ephemeris and Nautical Almanac for 1881, Wash-
ington, 1878. *Bureau of Navigation.*
- Report upon Forestry, by Franklin B. Hough, Washington, 1878.
The Author.
- Eleventh Annual Report of the Trustees of the Peabody Museum.
Cambridge, 1878. *The Trustees.*
- Polar Colonization: a Memorial to Congress, Washington, 1878.
Captain H. W. Hovgate.
- Cambier's Report on the Expedition to Lake Tanganyika, MS.
J. H. B. Latrobe, Esq., Baltimore.
- Boletin de la Sociedad de Geografia de Mexico, to date.
The Society.

Proceedings of the Poughkeepsie Academy of Natural Sciences,
Vol. I., No. 1. *The Academy.*

Bulletin de la Société Languedocienne de Géographie, Nos. 1, 2,
Montpellier, 1878. *The Society.*

Manuel du Voyageur, par D. Kaltbrunner, Zurich, 1879.
The Author.

Memoir of the Indian Surveys, by Clements R. Markham, London,
1878. *The Author.*

Publications of the Geographical Society, Frankfurt, to date.
The Society.

Carte de la Province de Québec, Navigation of Hudson Bay,
Ottawa, 1878. *Geographical Society of Quebec.*

Lecture on Life-Saving at Sea, before the U. S. Naval Institute
by Lieutenant J. B. M. Mason, U. S. Navy. *The Author.*

Map of Ireland, by P. O'Beirne, N. Y., 1878. *The Author.*

Instructions for Observing the Eclipse of the Sun, published by
U. S. Naval Observatory, 1878. *The Observatory.*

Monthly Anthology, London, v. d. ; Analectic Magazine, London,
v. d. ; Parliamentary History, Register, and Debates, 120 vols,
8vo. *Col. T. B. Myers.*

PART I.

TRANSACTIONS

OF THE

SOCIETY FOR THE YEAR 1878.

TRANSACTIONS OF THE SOCIETY FOR 1878.

Annual meeting held at Chickering Hall, corner Eighteenth Street and Fifth Avenue, New York, on Tuesday evening, January 8th. Chief-Justice DALY, President of the Society, in the chair.

The reading of the minutes of the previous meeting was, on motion, dispensed with.

The treasurer, Mr. George Cabot Ward, read his annual report, showing a cash balance to the credit of the Society, in the general fund, of \$1,032.71; and in the permanent fund, of \$3,872.51. The report was accepted and ordered on file.

The annual report of the Council for 1877 was then read by Mr. William Remsen, chairman, and, on motion, was accepted and ordered on file.

The Committee on Nominations presented the following report:

"The Nominating Committee appointed to select officers to fill vacancies under resolution of the Society passed at its meeting December 17, 1877, respectfully report the following nominees for re-election, in accordance with Chap. V., Sec. 2, of the Amended By-Laws, adopted December 29, 1876:

"*For President*—Charles P. Daly, LL.D.; term to expire January, 1879.

"*For Vice-President*—Francis A. Stout; term to expire January, 1881.

"*For Domestic Corresponding Secretary*—James Mühlenberg Bailey; term to expire January, 1881.

"*For Treasurer*—George Cabot Ward; term to expire January, 1879.

"*For Councillors*—Wm. Remsen, Harlow M. Hoyt, J. Carson Brevoort, Clarence King, Henry H. Hammond; terms to expire January, 1881.

" Respectfully,
(Signed)

" N. BJERRING, *Chairman.*

" JOHN D. JONES,

" JOHN A. HADDEN,

" *Committee.*"

The above report was, on motion, unanimously adopted.

The Society then proceeded to a ballot, which resulted in the unanimous election of the above given ticket.

The Rev. William Elliott Griffis, late of the Imperial University, Tokio, Japan, was introduced, and read a paper upon "Japan: Geographical and Social, with Personal Experiences." It was illustrated with stereopticon views.

On motion, the thanks of the Society were extended to Mr. Griffis for his able paper, and a copy of it was requested for publication in the Society's Journal.

On motion the Society adjourned.

Meeting of January 31, 1878, held at Chickering Hall, New York, for the reception of His Excellency the Earl of Dufferin, K. P., K.C.B., then Governor General of Canada; and for the consideration of Capt. H. W. Howgate's plan for the exploration of the Arctic regions.

Chief-Justice DALY in the chair.

The reading of the minutes of the previous meeting, January 8, was, on motion, dispensed with.

The following named gentlemen, on the recommendation of the Council, were declared elected members of the Society:

Fellows—Frank Daulte, Gen. H. Day, U. S. Army, J. A. Bennett, George S. Howe, Mrs. A. Gescheidt, Henry Herrman, Henry M. Whitehead, James W. Gillies, J. F. Loubat, LL.D., Richard Brodhead, George H. Jones, Prof. J. B. McMaster, S. H. Whitherbee, K. Cornwallis, R. C. Black, Cornelius N. Bliss, James Scott, Frank Work, Russell Sage, Wm. K. Vanderbilt, William R. Garrison, John R. Voorhis, B. T. Babbitt, John C. Eno, Charles Matthews, Charles Coudert, Daniel D. Lord, Henry Day, Wm. A. Cole, Willy Wallach, Arthur G. Sedgwick, and Thomas Scott.

Corresponding Member—Henry James Morgan, Esq., Ottawa, Canada.

The President introduced Lieut. Greeley, U.S.N., who represented Capt. H. W. Howgate, and read a paper upon "Capt. Howgate's Plan for the Exploration of the Arctic Regions."

Addresses were then made by Chief-Justice Daly, Bayard Taylor,

William Cullen Bryant, Lord Dufferin, and Dr. Isaac I. Hayes.
(See Part II., p. 276.)

Lord Dufferin was then unanimously elected an honorary member of the Society.

Certain resolutions complimentary to Mr. H. M. Stanley were unanimously adopted.

On motion the meeting adjourned.

Meeting of February 27, held at Chickering Hall, New York.

General GEORGE W. CULLUM in the chair.

The reading of the minutes of the previous meeting, January 31, was, on motion, dispensed with.

The following named gentlemen, on the recommendation of the Council, were declared duly elected members of the Society:

Fellows—William Rhinelanders Stewart, Arthur W. Parsons, John C. Morrison, and G. Melville Brown.

Life Fellow—Oliver Grant Barton.

Chief-Justice Daly, President of the Society, was introduced, and delivered his "Annual Address upon the Geographical Work of the World in 1877," illustrated with stereopticon views.

The thanks of the Society, on motion, were given Chief-Justice Daly, and a copy of his very able address requested for publication.

On motion the Society adjourned.

Meeting of March 21, held at Chickering Hall, New York.

Chief-Justice DALY in the chair.

The reading of the minutes of February 27, was, on motion, dispensed with.

The following named gentlemen, on the recommendation of the Council, were duly elected members of the Society:

Fellows—Charles H. Rogers, John Ellis, M.D., Edwin Parsons, J. J. Slocum, A. Wright Sandford, John W. Wells, Judge Noah H. Swayne, William H. Merrick, Orville A. Roarbach, Charles Dana, William R. Sands, S. Newton Smith, and William K. Hinman.

Life Fellow—James Lorillard Kernochan.

Prof. W. Wright Hawkes delivered a lecture on "The So-called Celtic Monuments of Brittany, in France," illustrated with stereopticon views.

The thanks of the Society were extended to Prof. Hawkes for his valuable paper, and a copy of it was requested for publication.

On motion the Society adjourned.

Meeting of April 6, held at Chickering Hall, New York.

Chief-Justice DALY in the chair.

The reading of the minutes of the previous meeting, March 21, was, on motion, dispensed with.

The following named gentlemen, on the recommendation of the Council, were declared duly elected Fellows of the Society:

Fellows—The Rev. Philip A. H. Brown, James Brand, Gen. L. B. d'Cesnola, W. P. Smull, Capt. J. A. Judson, C.E., Thomas Rainey, M.D., and Lehman Israels.

Mr. Elial F. Hall read a paper entitled "Gerard Mercator: his Life and Works," illustrated with stereopticon views and maps.

On motion of Prof. W. Wright Hawkes, seconded by Mr. James Carson Breevort, the thanks of the Society were given to Mr. Hall for his very valuable paper, and a copy of it was requested for publication.

On motion the Society adjourned.

Meeting of May 14th, held at Chickering Hall, New York.

Chief-Justice DALY in the chair.

The reading of the minutes of the previous meeting, April 16, was, on motion, dispensed with.

The following named gentlemen, on the recommendation of the Council, were declared duly elected Fellows of the Society:

Fellows—William E. S. Fales, the Rev. William S. Adamson, Thomas H. Robinson, Gen. Thos. R. Tannatt, and Alphonse Montant.

Mr. Jess Young, F.R.G.S., read a paper upon his "Recent Jour-

ney of Exploration, as the Astronomer of the Giles Expedition, across the Continent of Australia; its Deserts, Native Races, and Natural History," illustrated with stereopticon views.

On motion of Col. T. Bailey Myers, the thanks of the Society were given to Mr. Young for his interesting paper, and a copy of it was requested for publication.

On motion the Society adjourned.

Meeting of May 28, held at Chickering Hall, New York.

Chief-Justice DALY in the chair.

The reading of the minutes of the previous meeting, May 14, was, on motion, dispensed with.

The following named gentlemen, on the recommendation of the Council, were declared duly elected Fellows of the Society:

Fellows—Nestor Ponce de Leon, Horace A. Foote, and Charles P. Austin.

Col. C. Chaillé Long read a paper upon "Egypt, Africa, and Africans," illustrated with stereopticon views.

The Society, on motion, adjourned.

Meeting of November 12, held at Chickering Hall, New York.

Chief-Justice DALY in the chair.

The reading of the minutes of the previous meeting, May 28th, was, on motion, dispensed with.

The following named gentlemen, on the recommendation of the Council, were declared duly elected members of the Society:

Fellows—J. C. Reed, Louis T. Lehmyer, James Motley, Horace Holden, Isaac F. Wood, W. W. Wakeman, Alexander R. Chisolm, Franklin Edson, Theodore de Joly de Sabla, and William Watson.

Honorary Members—Sir George Nares, R.N., London; Prof. A. E. Nordenskjöld, Sweden; and Sir Thomas Elder, Australia.

Rear Admiral Daniel Ammen, U. S. Navy, read a paper upon "The Proposed Inter-oceanic Ship Canal across the American Isthmus, between Greytown and Brito, *via* Lake Nicaragua; its Feasibility as a Commercial Question, and its Advantages as Compared

with other proposed Routes." It was illustrated with stereopticon views.

On motion the thanks of the Society were given to Admiral Ammen for his very valuable paper, and a copy of it was requested for publication.

On motion the Society adjourned.

Meeting of December 12, held at Chickering Hall, New York.

Chief-Justice DALY in the chair.

The reading of the minutes of the previous meeting, November 12th, was, on motion, dispensed with.

The following named gentlemen, on the recommendation of the Council, were declared duly elected members of the Society:

Fellows—J. Warren Brown, Prof. Howard Osgood, George B. Prescott, J. Romaine Brown, Charles Whittemore, Thomas W. Whittemore, the Rev. William M. Taylor, D.D., and Hiram Hitchcock.

Life Member—Lieut. Theodorus B. M. Mason, U.S.N.

The President, upon motion, appointed Prof. John McMuller, Chairman, Alexander M. L. Agnew, and Prof. Henry W. Dunshee, as the Nominating Committee, to select suitable candidates for officers of the Society, under Chap. V., Sec. 2, of the By-Laws, and to report at the Society's annual meeting in January, 1879.

Mr. James Douglas, Jr., gave an account of his "Journey along the West Coast of South America, from Panama to Valparaiso;" it was illustrated with stereopticon views.

On motion of the Hon. Isaac I. Hayes, the thanks of the Society were given to Mr. Douglas, and a copy of his paper was requested for publication.

On motion the Society adjourned.

PART II.

PAPERS READ BEFORE THE SOCIETY
DURING 1878.

Note.—THE AUTHORS ALONE ARE RESPONSIBLE FOR THE CONTENTS OF
THEIR RESPECTIVE PAPERS.

American Geographical Society.

No. 11 West 29th Street.

THE OBJECTS OF THE SOCIETY.

THE OBJECTS OF THE SOCIETY are to encourage geographical exploration and discovery ; to investigate and disseminate new geographical information by discussion, lectures and publications ; to establish in the chief maritime city of the country, for the benefit of commerce, navigation, and the great industrial and material interests of the United States, a place where the means will be afforded of obtaining accurate information for public use of every part of the habitable globe. The Society has been in existence twenty-six years. It has a geographical library of thirteen thousand volumes, and a large and very valuable collection of Maps, Charts, and Atlases relating to every part of the world. It publishes a Bulletin, an annual Journal, and co-operates and interchanges information with one hundred and ten domestic and foreign Geographical and other Scientific Societies.

The initiation fee and annual dues of a Fellow for the first year are \$10 ; and the dues \$10 yearly thereafter. Life Fellowship, free from all dues, \$100.

Officers and Councilors for 1879.

President,

CHARLES P. DALY.

Vice-Presidents,

GEORGE W. CULLUM, FREDERICK A. CONKLING,
FRANCIS A. STOUT.

Foreign Corresponding Secretary,

ROSWELL D. HITCHCOCK.

Domestic Corresponding Secretary,

JAMES MÜHLENBERG BAILEY.

Recording Secretary,

ELIAL F. HALL.

Treasurer,

LEVI P. MORTON.

Councilors,

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HARLOW M. HOYT,

ISAAC I. HAYES,
GEORGE CABOT WARD,
PAUL B. DU CHAILLU,
WILLIAM H. MORRELL,
J. CARSON BREVOORT,
HENRY B. HAMMOND,
EGBERT L. VIELE,

CLARENCE KING